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 tacattgtct tctacagact cctacatatg tatgattatc acagtatgat gccagatact 240
 aacattcata ttgaacaaat ggctggcgtg ggtagatgtc aagagaacat 290

<210> 8145
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 8145
 ggcagggtgga gaacacaaac gagtgagagc tgactgtagt cgaagatcat acaaggaaag 60
 gtaagaaggc ctgcaagctg tgaattagac ataatacatt attaattata ggatgtaaca 120
 ttatgtatat ggggaatata tatctaaact tatttatcaa tattaataat tatatatatg 180
 ggggatgtgt atgtaaagc atatatatta tatatatgta ttattaataa cttttgtggt 240
 atgagactga atatctataa atatatgttt tattaataat tactatatgc tgtgtaagta 300
 tcacgttata ttttgtgtgc tgactaagta agcaacgcta tgtagatata aagagttgtg 360

tgatggagtc cactggtgat acaacg 386

<210> 8146
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 8146
 cgagtacaag cttttttttt ttattttatt tcttgttctg gctatgatga caaactgggt 60
 agtatatgat atatataacg tagagaagag taacatatag acacaaaaaa tatatatgag 120
 tcatgtatta actagaaatg cacataagat aaaatggcct attgaatcat gtttttatta 180
 tagatatatt acaaaatggc attgaaggaa acctacttat ttttcaatat gagaacaaca 240
 gaaggctttt atgtatcacg aaaataacaa tatatctgat tttataattt ataatttaca 300
 ttacataaagc tgagaactac acaataaaaa ctcaccaata ttgaatatta tata 354

<210> 8147
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8147
 atctcgaagg caactcgcat gcacactagc aacatatata aacaatctta tattagactg 60
 taaatggaaa ctgtaaagtg attagcttga atcttttctg cgaaagattt gtaacagaca 120
 atcgggtgaa atcacctcgc gcatgttatg gagagattgt gacgttcagg acaaaacgag 180
 taacagactg atcttctggt tgatactacg accaggactc caggac 226

<210> 8148
 <211> 530
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(530)
 <223> N=A,T,C, or G

<400> 8148
 gacactgagt ctaggaatan gcacatatgg agctaaagac ctatgcttta aatactctaa 60
 atatatagac tacacaaaaa catatgggaa aaatgtactg atgctaagat aatattgttg 120
 atatcatatt gtagaaacta taactttaa ccaatagttg tgagcataaa tgttacagtg 180
 atattgtgtg taatatatag tacatgtaaa aatgaaacta aatttatata taattgtata 240
 tatgacatca acaatgtaat tgatattcct gctgttatca caaactcga aattaatgaa 300
 tgctacagac atggattaaa aagactangc tctctaaaga gataaagaat attacttaaa 360

gcacatatta ttatgtgtaa tacactatta gaagattaga tctaaactat acaacacana 420
 acgtacttct tttcatcatc ctctgctaca aactattgcc ctctcaaaa tatagacgat 480
 tgctaaaaga gtctgagcga tgatgccatc aatgaacaaa cgttttgagt 530

<210> 8149
 <211> 514
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(514)
 <223> N = A, T, C, or G

<400> 8149
 tgtcttgagg taaattttaa gttcatggat gtaatgtggc ctacaggaat actgtatttg 60
 taaaaaata agaacattct gcaactgtag aatgacccc attatatatt ttctgaaaa 120
 gaaaacagtt acatgaaaa aatgaccaat gaacatgtca tcatttgatg aaaaaccaga 180
 agttattaga tgagagcagc gagtgaatct ttaaacaga cttgatcacg cacactcaat 240
 aagtaatac tctccgaaac cggatgtcat tctatatctg ttagaaataa tgtcatcaaa 300
 agaaagtaa ttagaggata tttttgcaa tagtttatac aaaatatatg aaccaagag 360
 attggaattt gtaaaaatgt aaaatagtat gaacaatatt tgcactctac catatttgaa 420
 catctmatg agttcacatt catactaggt tatcaacatt gcgttctttt tgcattcatt 480
 ctttactgtt attaaaagtt caaaaccaat ataa 514

<210> 8150
 <211> 170
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(170)
 <223> N = A, T, C or G

<400> 8150
 ccactattat gggatttgtt ttagtccatt atggattctg gatattcaan catttacaat 60
 gtagcatatt tgattttctt ttttctttct ttttttgcca tcattaacat ttcatttgaa 120
 atgcatattg ttcttgaagt acctcggccg cgaccacgct aatcactagt 170

<210> 8151
 <211> 162
 <212> DNA

<213> Homo sapiens

<400> 8151

aggcgacagg gaatggcaag tttctgaagt cggcatagct tagttggtgc atccagcaga 60
 gagacagcac agggagcagc ctacgcagga agattacaac agaggaataa cacagaatac 120
 aatctgggat ggataatagt gaatggcatc cactagatga tt 162

<210> 8152

<211> 498

<212> DNA

<213> Homo sapiens

<400> 8152

cagtcttttt tttttttttt tttttttttt ttttgggttt ggaaccttta ataaaaataa 60
 aaaaggaatg caaaaagaac acaatgttga aaacttaata tgaatgtgaa cctcactaga 120
 tgttcaaate tgggagagtg caaattttgg tcatactatt ttacattttt acaaaactcaa 180
 atcactttgg ttcatatatt ttctataaac tattggcaaa aaaatcctca aatttacatt 240
 cttttggeta cattatttct aacagatata gatttacttc cgggttcgga gagaaagact 300
 tattgtgtgt gcgtgaacaa gtctggttta aagattcact cgctgcttcc atctaataac 360
 ttctggtttt tcataaaatg gtgacatctt cattggaaat ttttttcatg ttactgggtt 420
 cattttcaga aaaattataa gggggggatt ccaaggtca gaaagatcct atttttttaa 480
 aaaaaaaaaa ttctggta 498

<210> 8153

<211> 194

<212> DNA

<213> Homo sapiens

<400> 8153

actattaagt tctttcacia aataatcatc ttatatcaac acagtaccaa tctaagtgtc 60
 cgcaggaggg ttactttaac atctccctcc tgtgtttact ccaatgttcc tccctttagg 120
 tatggtctgg gtaaatecgt ttatggatgc atctgtccac accacgctcg cagcatgtca 180
 ctctgcgcat taag 194

<210> 8154

<211> 178

<212> DNA

<213> Homo sapiens

<400> 8154

gtgcgctggc tatggacacg taaaggaatt gccacatggt ggacattgat tgcaaattgt 60
 tgaggggatg gaaaggatgt tggacgttct ggtgaaaagc tggagatgg ccctaaattc 120
 ttgaagtact ggtgaagctg tcattgtcga tttgggtggt ggatagcttc tgtacgtg 178

<210> 8155
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 8155
 caactattat actattctct tctgctttca ttctgatgtg gtctgtaata gcaaaataca 60
 tgacttattt gtgtggatgg caaaacaaaa ggtgtgtgtt ggatggctctg cttatcagtg 120
 gatgatacaa cagtcaagca aaacctcgcg gccctaacct aaaatcgatg aatctttgga 180
 acttgaaga caatctggcc tgtatgaatg ggcaaacagc gaccatcatt cgaaatgaaa 240
 ctggtaggca gtcacatttg acattcatga tcttcactgg ctactcgtcc agactcaaaa 300
 cgctggtgac tgtaaacagt gtcaggtttt aaccaagcgg aattccatta aatatttgcc 360
 ccaatgctct ggaaactggg agagaatcct tgcactgtga tagctgctac actgtgcgcc 420
 tgaacacagc gccattggtg gtaccccccg 450

<210> 8156
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8156
 tatcatatac ataaaacaga tggctgggga ggaaggaaga caaacaagaa tgactcagct 60
 ggatggacat aacttaatg catgatcaat catcaatctg tctgttatac attagttggt 120
 gagtgggatg tccatacatt aactattgaa tgaaggttaa gttatttaaat atatttat 178

<210> 8157
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8157
 tttttttttt ttttttttgg ttttgaacct ttaataaaag taaaaaatga atgcaaaaag 60
 aacacaatgt tgaaaactta atatgaatgt gaacctcact agatgttcaa atctgggaga 120
 gtgcaaattt tgttcatact attttacatt ttttaciaaac tcaaatcact ttggttcata 180
 tattttctat taactattgg caaaaaaatc ctcaaactct cattcc 226

<210> 8158
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 8158
 tactgactat ggaaacatga atatatgtaa gggccattca tgatatatga atgagaagag 60

taagctttca tatggaaaa cacaatcatt caaaaaatga atgacatgct gatgtatagc 120
aacacgcata ataaaatgaa gagtatatca ataacatatac tatgcttaga taagtactac 180
cttctgtgta ttatagaaca ataagtgtgc attggttgta ctttgcaact aacgcatggg 240
tatcatgggt atgcacccat catgatggag tctggattac catcttgctt ttggataaaa 300
cagatctatt tggggcatct acataggatt aatagagaga gaaagaggat atatgattca 360
taaatcatat atgctctgat caaatgcaag catcattaa aaacatatgc tatctataac 420
tactcatcag attgctgtga tctatacact ctctccacat attaatactg tgaaacttca 480
actatagcac attactctgg atatgcaaag ttagcacggg aggacatgaa 530

<210> 8159
<211> 578
<212> DNA
<213> Homo sapiens

<400> 8159
agcatttaac ccaaacaggg gttcttagcc tcagcactat gacattttgg gctgactact 60
tatttgtag gcgggagctc tcctgtgcat tgtaggataa ttagcagtat ccctggtggc 120
tacccaatag acgccagtag caccocgaat tgacaacca aactctccag acatcaccaa 180
ctgtcccctg cgaggagaaa tcaactcctgg gggagaacca ctgacccaaa tgaattctaa 240
accaatcaaa tgtctgggaa gccctccaag aaaaaaaaaat agaaaaagca cttgaagaat 300
attccaata ttcccgtca gcagatcaa ggctgacttg tgttcatgtg gagtcattat 360
aaattctata aatcaattat tccccttcgg tcttaaaaat atatttactc ataaacattt 420
gtgttttggt gaaaagatgg agtttataaa gataccattc ttgagtcag gatttctctg 480
gtcacagaat ggtgtggcat ttggaaacgg gaataaacia aattgctgca tcaatgcact 540
gagtgaagga agagagacag aggatgaagg gttttaga 578

<210> 8160
<211> 530
<212> DNA
<213> Homo sapiens

<400> 8160
ggtgaggtag tatgtgagtg aaataaatgg atggaattag tgatatgaat aattgaagtt 60
tgagaagtag aatggatggg cgtgttgtag ttattagtaa aataagatag aagaatggtg 120
taagaattat atggatggat atgatatgta ggattattatt gtaatttata cttttatgaa 180
ttgtgaataa ggaaatatat tctatataga ttaggagtga aagaatcagg tttataaagt 240
gaaataatta aatagaatgc agaaatgaag agaaagggat attgtgtaac atattattgg 300
aagaataatt aaaatattta atatgtgtta taaaagtga gataaaagtg tatttttatg 360

aacagaattg ttatgaaata ttatttttac attaaattaa aagtgtattg agtgaatatg 420
 ttaaggaata tttattggaa atattagagt taggtacaat tgaagaaatg tgtgaatgaa 480
 gaagaggaag tgattactgg gtgaaattat agtgaattgg aaataattga 530

<210> 8161
 <211> 693
 <212> DNA
 <213> Homo sapiens

<400> 8161
 gcggtggttg tgatcggcta tgtgggtagc ttggtggtgt ggtggcggca gtgaggggct 60
 aggatgggtg gtaggatatc taggactgag acggagactt gacctccacg atgcaacatc 120
 caatgagtat gctatgtgag aaaaatgaga gattaacgag ctaaatgcag tgtgtatgat 180
 gtgtgagaac atcacagatg gatgatcgca caagaggcat ttgcatgata tgatcgcttc 240
 atagatggaa taatcgaact ggtgaatag tatgagctgt gatgaatggt gctgcagaat 300
 ccatctgttg aaccatgtat atgcaatgtg tgaggaggct agatgaatgg atcatatcat 360
 gatgatgta acaatggttg gtgagattgc tatggtgaca aatcatgtgg atgtatacag 420
 gaatatttct ggttgctgcg gttgacaacc atgggggatc agacaagaga agtagtagag 480
 agtgatggtg acatc gatgg gggatacgt tataaatgat gaagtggatg acgtgtgc at 540
 gtggagcgt taccgatagtt actaacgagt ttggagcata gtgtgagtat tataatattgt 600
 caagtaata acgtggtgga tgcattgtta tagttgttta ttgtgtgaaa ttgatatctg 660
 gttataatta tggtcataat ttgtatcctg taa 693

<210> 8162
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8162
 atgatagttg tgaaatgatt gattggaggg taagttattg gttgttttta gatttaggtt 60
 agaaagagga ggtatgtgga taggagtaaa taatgtgatt ggtttattgg gtgaaatatt 120
 atgttttggt gtttgatgat atggaggatg gtgattttag tttggataat agaggttata 180
 taaatgcaat ggaa 194

<210> 8163
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 8163
 cagcatttaa tccaaacagg gggtcttagt ctcagcacta tgacattttg ggctgactac 60

ttatttgta ggcgggagct ctctgtgca tttaggata attagcagta tccctggtg 120
 ctaccaata gacgccagta gcaccccgaa ttgacaaccc aaactctcca gacatcacca 180
 actgtcccct gcgaggagaa atcactcctg ggggagaacc actgacccaa atgaattcta 240
 aaccaatcaa atgtctggga agccctcaa gaaaaaaaaat agaaaagcac ttgaagaata 300
 ttccaatat tcccggtcag cagtatcaag gctgacttgt gttcatgtgg agtcattata 360
 aattctataa atcaattatt ccccttcggt cttaaaaata tatttcctca taaacatttg 420
 aagttgttg aaaagatgga ggttacaaag ataccattct tgaagc 466

<210> 8164
 <211> 672
 <212> DNA
 <213> Homo sapiens

<400> 8164
 cccttaagat tctggacctc ttagaaggaa ggctcatcta tacacttcaa ggacatacgg 60
 gacctgtctt tactgtttca ttttcaaaag gtggagagct atttgcata ggagggtgag 120
 acacacaggt cttattatgg aggactaact ttgatgaatt gcattgtaaa ggtcttacca 180
 aaagaaatct caaaagatta ctttttgatt caccaccaca tcttcttgat atctacccaa 240
 gaacaccaca tccccatgag gaaaaagttg agactgtaga aattaatcca aagcttgagg 300
 taatcgattt gcagatctct actccccctg ttatggatat ctttctttt gattctacca 360
 caacaacaga aaccagtggg aggactctgc cagacaaggg tgaagaggcc tgtggatatt 420
 tcttgaaccc ttccttaatg tcaccagaat gtttgccaac aaccacgaaa aagaaaacag 480
 aagacatgag tgacctcccc tgtgaaagtc aaaggagcat acctctcgt gtgactgatg 540
 ctttagagca tattatggaa caactcaatg ttttgacaca gactgtttca atcttgagc 600
 agcgactgac tttgacagaa gataagctga aagactgcct tgaaaatcag caaaagcttt 660
 tagtgctgtc ca 672

<210> 8165
 <211> 514
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(514)
 <223> N = A, T, C, or G

<400> 8165
 ggcttgggct gctggggcag gggcaactgg aggcaagcgg aaaacgacga ttagttcttt 60

atgtatgata ataaattaat attaatacat atanatatat agatattatg taaatggtac 120
 tatgataatg gttatcgttt atacggtatc gtaatatcat aagattttta tacaaaatca 180
 aaatacgaag actactaaca tgaggatgga gaaggaaaa agtttctgaa tcttgaccgt 240
 ggctgaggcg gagacgattc ttggacttgg agctgtatct gtatgtaaat gaacatagag 300
 gaatacagact acagaaccta ataccaatac caggacaatg gctctgcatt taaatgatag 360
 tgactgtgac tgaatacagt ttaagttaat tgttgtaggt gattgtgatt atattaatgc 420
 gatagcgtat attgagatga agatctaagt gattgtgaac acttgacctt gatgtccctg 480
 gacacagtgc attagcgtca tttctaggtc acgc 514

<210> 8166
 <211> 402
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(402)
 <223> N= A, C, G, or T

<400> 8166
 ggtactgtga aaccaccaac ttcagttgcc tcagactcca gtaatacaac ggccaccacc 60
 atgaaacctc cagcggcatc taatacaaca acaccagga tggctcacaac aaatagact 120
 tctaccacct taaagtctac acccaaaaaca acaagtgttt cacagaacac atctcagata 180
 tcaacatcca caatgaccgt aaccacaat agttcagtga catctgctgc ttcacagta 240
 acaatcacia caactatgca ttctgaagca aagaaaggat caaaatttga tactgngagc 300
 tttgttggtg gtattgtatt aacgctggga gttttatcta ttctttacat tggatgcaaa 360
 aagtattact cagaagaagc attcgtatcg aaccataaat ga 402

<210> 8167
 <211> 322
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(322)
 <223> N= A, T, C, or G

<400> 8167
 ttctccctta aggactttgg caagaataac aagttcattg gaatttgact ttctgacata 60
 gagcagacag ccttgccctg tcatgccagg cctttcatgt gaagttacca tttattagct 120
 gcttctgtct ctccnagga agatttcctt tttataagcc tgggccaggg ggatgatagt 180

aagattcccc atgtgatacc agagttggaa taagctgtag tgagattang gccaggactg 240
 tcccattttg attccttgaat ggtttctggt acaacttgtc atgggggaaa aagtaacact 300
 tatttttttt ttcctccctt aa 322

<210> 8168
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 8168
 tactatgata tgtgaatgga aaagtaggca gctgatgact caaattaaga attttaatta 60
 cattgactcc aagtctgata ttctgatgag tgtcatatag cacttaatgt ctgcttcata 120
 taatactacc acttattaga tatatataga ctcaagagca ttaacaaaag tagagaaaga 180
 gtgagtcatt atatacctat gagtaaaata tgaaaatgac tatatgtgtc tgtctgtgtc 240
 ttgttatcgg tgatgcaaat agttaattct tgatggaagc tgtcgcgctg 290

<210> 8169
 <211> 242
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(242)
 <223> N = A, T, C, or G

<400> 8169
 cggtggtnc a tcgcttgntg gtgtggttct tatnattaac nccattgtgt atacaggttt 60
 ccagtcctt ggggtacagt agtggttggc cagatggta tgtaagtatt tggagtcagg 120
 tgtataatgg attttcgggt gatatggatg taaagaaaag ctttccttgt tcacccggac 180
 ttgaaatcgt ggagttttaa tagcagatct tcagcaggtg agagaatcac agctgcattc 240
 ca 242

<210> 8170
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8170
 ctgtcgagaa tggaggattc ttacgtggac atgagttgca ttgttctttg atgctgtagg 60
 cttattaataa gtatgtagtg actagtttcc aggcacttgg aatctgtgtt cctatgggtg 120
 gcggcatagc agctagcatt tttgatcacc atacagcagg gcttcgggta gtcgcgat 178

<210> 8171
 <211> 242
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(242)
 <223> N = A, T, C, or G

<400> 8171
 ccagnagggt atccctgtac ctgccctggt gattggccag cgaatcaggt ctaaccagca 60
 caactcccac ctggaccagc cgaaccagct ctgagcatga gttgggtcag atctgaaaca 120
 tcccctgcat aaccccagca agctacctcc cctgctaatt atggatgctc atctcctgca 180
 agcatcaacc gcattggcag aagcagcaaa cccacttctt ccttgcttag catggaccat 240
 gg 242

<210> 8172
 <211> 722
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(722)
 <223> n = A, T, C or G

<400> 8172
 gggaccggga ggtgacttag tgctgatact ggcaattggn aaagatgagg gacgnctgct 60
 tgcactccag catgcggccca tttttaatta cattgtttcc caagtatgca tattctgnac 120
 atgtctatag cacttagtgt ctgcttcata taaactacca gttattatat atttatgatg 180
 caagtagttt tccaaatgtg gtgaaagtct gagtcttttt atcccatgg gtaaaatctg 240
 aatctggctc tctgtgtctc tctgtgcttg tttattgctg gtcagagagt caattcttga 300
 taaaagctgt tgacttggtc ctcacagttt atgcagacat tggagagacg atctggttat 360
 ttcaaacatc acaggatctg agtaagaaga cctggttatg aaacaaggct ctcataatta 420
 ctagctatga ctggtgacaa gttacotttt cttgtttaca agttatttgg cctctttgaa 480
 ttacttgtaa aatagagata gggattcttt cttgatcatg gaacatcaaa tgaagttatt 540
 tgatgaaata ctttgttatc tggaaattat aaatatcact tcatgtttat tattatttgg 600
 aatttgggct tctcatggtg gcattttcta tggtcatttt tttcttttct tgcataatgg 660
 ctataaagtt agttagacat gcaaacaaat gccctaagtg ggaaattttg aataggttag 720
 gg 722

<210> 8173
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8173
 ttgtttgcag agtcctcaaa tgtatcacag aaaacagttg ctgtggaaac ttatagtgga 60
 ccctactgac gcacaagcat taagaagtcc acttgctgca tactgtaagg agaacttct 120
 gcatttgga aatgctgctt aaggcaacac acattacctt tgtgacaggg ctctgtccac 180
 tggggtgggc tgatgcaatc tatacagaat gcacatgctg cctttttttc ttcttttttt 240
 gc 242

<210> 8174
 <211> 194
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(194)
 <223> n = A, T, C or G

<400> 8174
 agcacgtaac ccatccgatc cccaagatt aaggaaaaag agtgggagag caaatggaag 60
 aagcccctgc taacgggatg ctaatgagaa atggggagca ggaggctgac aatgagtag 120
 acgaagaaga ggaagaaggt ggggaggaag aggaggagga agaagaaggn gaaggtgagg 180
 gggggggggg cggg 194

<210> 8175
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 8175
 tttttttttt tttttttttt tttttgggct tccaattat ttaaatgaag ggattgggag 60
 gaggacatac aaaacggcca gatacacagg gtagcagggg cttgataatg agataatttt 120
 cccccacgtg ttgggaaaaa aaatactatg tattttttta tgaacactat taaaaaaaaa 180
 taaaccact cacaacattt tggagggact aaaggccaag agaaaccaat ggagaatcat 240
 tatttggggg atgggggggg gagtttctgg ggggcagggg gggatgtgga caggcagggg 300
 ggggtgagg aaccttgcct ctggcgggaa tgggaaggag ggacaaggaa caaa 354

<210> 8176
 <211> 603
 <212> DNA

<213> Homo sapiens

<400> 8176

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ccccaaataa ctttcttatt gctctgaaag aagaaaagca atgtaaatca ctatgattat    60
tgcacaaaaca accagaattc tccaacaatt ttaagtaatc tgatcctctt cttggagaaa    120
attgttacct aatagttttt ccttatgaat gttattacta ctggtataaa tcaaatttct    180
ataaatttcc tacttaagtc ttaagaactg ggttcttctt ttgatgttat tcatgttcag    240
aaaggaaaca acactttact cttttaggac aattcctaga atctatagta gtatcaggat    300
atattttgct ttaaaatata ttttggttat tttgaataca gacattggct ccaaatttct    360
atctttgcac aatagtatga cttttcacta gaacttctca acatttggga actttgcaaa    420
tatgagcatc atatgtgta aggctgtatc atttaatgct atgagataca ttgttttctc    480
cctatgcaa acaggtgaac aaacgtagtt gtttttact gatactaaat gttggctacc    540
tgtgatttta tagtatgcac atgtcagaaa aaggcaagac aatggcctc ttggtccccg    600
ccg                                                                    603

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<210> 8177

<211> 354

<212> DNA

<213> Homo sapiens

<400> 8177

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ttattttatt tatttggtat tatgtttttt tatttttttt ttttttgta tttttttttt    60
tttttgtttt tttttttttt tttttttttt gttttttttt tttttttttt tgtttttggg    120
ggggggaata ggagaggggg ggggaggggg gggatgatgaa ggggggggga aaagaggatt    180
tataatataa aaaaaggggg aattaaagg ggggagagaa gttaatgaaa aggaggaaaa    240
aaaaggatat attaataaaa aaaaattgga aaaaaggggg agttttttat taagaggggg    300
gtatattttg gggggaaaaa aatatggggg gggggaaaaa aataatagtt tggg        354

```

<210> 8178

<211> 352

<212> DNA

<213> Homo sapiens

<400> 8178

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acggattgaa ttgactgatg catgctcaca tatgtctaaa aacaatctgt ctgcaataac    60
atgcatgaa tgtgtgactg actggtctgt ccttgtgoga gctactacct gctgcctgct    120
atcaatctct ctaacaacgg gtggacacac acccaccgac tgctggttgt cttacacaga    180
gaggaaggat ccttgcaact atctgggaga ttaatatgta accagcaacc tgtgtttgca    240
gccagctgtg ggaggtcaaa caaacaaaag catgcaagca tgtgctgact gaaccgagtg    300

```

atgCGTgcga gagtacctgc ctggggcggac ggtcgcactc tcttactatt ga 352

<210> 8179
 <211> 464
 <212> DNA
 <213> Homo sapiens

<400> 8179
 gctttttttt tttttttttt tttttttttt tttttttttt tttaaaaaac taaggaaatt 60
 aattgggttc agggaaaaaa ccggaaaaaa tggtgaaaaa aagtggtaaa aaaaggtaa 120
 cttaaaaaat acaaaaaata ccttggggta aaattttggg aggggggggt atttaaaaaa 180
 aacggaaaaa aaacaaaaac ctaaaatatt gggaaaacaa aatattaact tttttttttt 240
 ttttaataaag ggggggggatt gtttttggaa taaattaacc aaaaaataa aggtaccct 300
 ggttttttta agggaaaatt ttttatttta atcaaaccct aaaaaaacct tggttaaggt 360
 ttatcccatt ttaagggggg aaaaaagggg ctaaaagggg gaagggaaaa tccttggtgg 420
 gcaaaacgga ttatgggggc aaggtaattg aaatggaccc caaa 464

<210> 8180
 <211> 448
 <212> DNA
 <213> Homo sapiens

<400> 8180
 tacagttacc attgtacaat ttatgaacac atggattacc ttatgacaaa gcattatata 60
 caccactgta ctagatgatg aagtgctaac cactcacatc actagcatgc cttctattta 120
 tccaaatatt taaaggatg atttattgtc gaatgggtgg ggtggtacca atggctctta 180
 gtatggttag tgtgaaaact ataaatatgg atctttcagt gagctattag tgagcaccta 240
 ggggctataa gatggtttca cttattaatc acaaaatatt cattattatg gtgaatgtta 300
 gatatactct ctatgtaaat tggtagtaa aacgagttag aagatatgat gaatacaaaa 360
 aaaataaaaa cagacatgca tgggCGgtgg aggccatgat ctttaaggaaa aaaatggtgt 420
 gtgagtcgtg tataacatta aatgaatc 448

<210> 8181
 <211> 576
 <212> DNA
 <213> Homo sapiens

<400> 8181
 caagtaagg gttgtacggt gctgcgaggt cgaatagcat accaatattg gttgatctgt 60
 ctgcaacatt agaaatatgg agatatatac tatttataca tatttaacat taaatatatg 120
 gggaatatat ctttagactc atgaaaaaga ataatgtatt attatatgca tcatttgtga 180

tatgatatat gactgtgaca tgaatatatg aattatattgt aatctgtata accagtgact 240
 gctctgcgaa tatcactggg ttatcgactg ggccagctag gctatgagac tacgcaggat 300
 catatggggg gcgcgctatg caaccagccg aaacaagaac cactggagaa gtgaggatgat 360
 actactcgat gactcgacga acagctatat gtgaggcgat agtatccagt gcaactgacgg 420
 cttgacaata tgcacgcgaa tgtgtccagt gtccaaggg catgacataa cataaccaga 480
 aagtgtcagg cgggcgcgta gaaaacatgc cgacaaatga gactgcacgc gtgctggcttc 540
 aaaaattgct gacaactgtg accgctacct gccggg 576

<210> 8182
 <211> 160
 <212> DNA
 <213> Homo sapiens

<400> 8182
 gacagggggg gggggggggg cggggggggg gggggggggg gggggggggg gacgggcaga 60
 ggggacctat tggatgcaa aaagaatgc tatataaaaa aaatatagtt gttttttgt 120
 ggtttagaac caccagtaac aatgaaaaag tattcaataa 160

<210> 8183
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 8183
 cagttgtcaa caatatttgg taagcaacca gacatgtaa tcttctgtag atgctttgtt 60
 tttcattatg gtgcacctgt acacatttca agttctgttc tgacatgtcc attattatca 120
 ctgtgctctt tattgtcaag catatttttt tttaccggtc tgtaaactgg gatagttatc 180
 actttctctt tttttatttg tttatttg 208

<210> 8184
 <211> 160
 <212> DNA
 <213> Homo sapiens

<400> 8184
 gaagtcttgt gttttactaa tgggaaaaaa aaatacagaa aaaagttttg ttactcatgg 60
 ctgccccacc gccagcctgg gccctaataa cagcccagcg cctcacttct ggcttgggag 120
 aaatatttct ttgctccttt tgggaattca tggcttgatg 160

<210> 8185
 <211> 160
 <212> DNA
 <213> Homo sapiens

<400> 8185
 gaggtcctgc aaaccatctc aagaccaaaa taagcgaccc ggcctatgtc ccctgttat 60
 tgggattgac ccacacggcc tctacattgg catgcctagt tttgcttgca tctggaaaga 120
 aaaagaattg aatcgcacgt ttctgggtaa aaaagctggg 160

<210> 8186
 <211> 528
 <212> DNA
 <213> Homo sapiens

<400> 8186
 tttttttttt tttttttttt tttttttttt ttttttttta aaattaaaaa ggaattattt 60
 tttttattgc cgggttttat taaaggggga ttttaaatta attcattgga gggggtaaag 120
 gaaatggagt ggggtgggtg gaaaaggcag gggggccaaa aattattacc cattaataatt 180
 aaaagtgggt tgggtgattg gtggggttct ggtgggttgg gttgggtttt tgtttttttg 240
 ggggtgggtt ttctggtcct tgttcttgac cactttttta accattgggg ttgggggata 300
 agaaaaaatt ttaggcaag gttgggtatt aaaaccacaa aaattttggg gggaggaaaa 360
 ttaaatttat tgttttaaag gagctttcgg ggaggggggg ggtttggtt ttgttaccgg 420
 gaggtggggg ggtagggggg ttaacacggg tctttttatt ggaaatttaa ttctcttaa 480
 ctttcaaat ggttggcggg ggaaaaaaa aatggccggg agggccag 528

<210> 8187
 <211> 384
 <212> DNA
 <213> Homo sapiens

<400> 8187
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
 tttttttttt tttttttttt tttttttttt gggggggcaa aaaatttttt tttttttttt 120
 tggggttggg aaaatttttt aaggaattt ttgggggggg aattttgggg ataagtttta 180
 aaaaaaaaaa aaaaaggggg ggtaattttt ggggaatatt aaggaattaa acaaggtttt 240
 tatattaatt ttaggggggg gtttaaaaat ttatttgggt ttaaaaaag ggtaccatta 300
 aaaaaaattg ggattggcct ttttaggggg acttaagaa ttaaggggg tttggggggg 360
 gggaaggggg ttatataggg gagg 384

<210> 8188
 <211> 222
 <212> DNA
 <213> Homo sapiens

<400> 8188
 cttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttatg 60

gggaaattta ccttttttta ttttttttta atattgaaaa ttttaaaaaa ggaattattt 120
 ttcatttggg gtcccggccg gggggggggg taggatcact tgagtaatca ggggggcggt 180
 ggatggggcg ctgaggggag aacacaaaaca cagggcaggg gg 222

<210> 8189
 <211> 352
 <212> DNA
 <213> Homo sapiens

<400> 8189
 tcttggcteta atatagggta tgtgtaatga actgctagac tgtatgcggt acatgaacta 60
 tactagtgat ggggtgctgg ctgcatattg tgtattacta ggtctagttc tatgtattaa 120
 tatgctgcat tgtggatag gggcaatata ttttttggac gcctctctct tattagtagt 180
 atttatagtc ctctttcgtg taatgcaata atgaatatct attattagat ggtattattt 240
 cttatgacct atatcctgtg actgtctctc ttactccttt gtccgaggac tgattaggca 300
 tggctatgtg tttacgtggc tttatttctg gggccatcct ggcagtgcc ct 352

<210> 8190
 <211> 160
 <212> DNA
 <213> Homo sapiens

<400> 8190
 agcttttttt ttttttttatt ttttttttta atgtttgggt gtaaatttat taaaagattt 60
 gatttataat atttgtaatg gtgactgtca ctttttttcc tgcttgcta ctgatgggat 120
 tattctgctt aatatatttt ttattagatg tgcaagttaa 160

<210> 8191
 <211> 160
 <212> DNA
 <213> Homo sapiens

<400> 8191
 tactgacatg catgtactaa ctagggtcta tggcatgact tgcattaggct attacatgct 60
 gagttgtag cattagactg catggatca taataattga acacaatgct gatgaagaat 120
 attatctcgt ggtagttagt atatttatag gcaagtggga 160

<210> 8192
 <211> 480
 <212> DNA
 <213> Homo sapiens

<400> 8192
 tacaagcttt tttttttttt tttttttttt ttttacaagc tttttttttt tttttttttt 60

tttttttttt tttttttttt tttaaaatat ttttattttt attatttttg tattaattaa 120
 aaatatgaaa aaaaaagtaa aaggggttcc tttttggggg gaggccacct tgatggctta 180
 aaacaagctt aataaatcga aaaaaaaaaat gggatgccaa aagatggggg gggaaaaaag 240
 gcttgggggt taaaaggcga aaaagttggg ttaggggggtt gggggggggg aacagagggg 300
 aaaaaaatt cagtttaggg gaccctaagg ggacgggggg gggggggggg gtgagggaca 360
 cttggaaggg tttttggagg gggattgggg ggggaggggt tttgttattg ggggagatcc 420
 gggagggagg ggcggggcag ggtgggggtc cagtggggta aattttctta agggcataaa 480

<210> 8193
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 8193
 tagagctttt tttttttttt tttttttttt ttttttttaa taggttaaaa aaaaattttt 60
 atttttttta aggggtgtta aaaattggaa taaagaatat gtataatatt tgtagtggg 120
 gggggtttgg tgtaatgatt gaatatatag gaggatgaaa gatatttggg tgtaaataga 180
 taaaattggg agggaaggtg gaggggaaag ggggaatttt aaaaagatat attaaaaaat 240

<210> 8194
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 8194
 tattacatgg cagcaggacc cactgagaac acaacgcctg ttgcggaaca agaacacgga 60
 atggggctaa caacagacta agtactttat tgtagggcgg ataatatata actcatttgg 120
 acaggcctgg gccatatctc tgactatgcc ctatattgga tgcctggcag gggcccaagc 180
 ccaagaggat tctttaccct cggaacagct cccagggcac tcag 224

<210> 8195
 <211> 192
 <212> DNA
 <213> Homo sapiens

<400> 8195
 ctaagattga taatttgtgt atgtgatata aacgttttat taccagatgt gtacatttaa 60
 tgagctatca tttacattat aaaggttgtg tgattctttg ttttttttaa acacaatttt 120
 tatattcaaa tctgttggag caatgaaaag atggagagca taaacaggtt tttctatgct 180
 gatagaccat gg 192

<210> 8196

<211> 288
 <212> DNA
 <213> Homo sapiens

<400> 8196
 tgatgaaagc caaattgacg caggatatga acctgttttg tattgtgata aggttaatat 60
 tgtgtgcaat tttggtgaaa tgagagaaaa gattgatcgt ggttttggtt gaaagatgga 120
 tgatggtgct tgattgttgg atgatgggga tgatgacatt gatgatattg ctggtggaaa 180
 gctgatgtgt ggtgatagat tcttaacta tggagatgct ggtattgttg atgtgggtga 240
 tgtgaaacag atgagtgttg agagtgtcat aaaatataga ggattaga 288

<210> 8197
 <211> 304
 <212> DNA
 <213> Homo sapiens

<400> 8197
 tttgattttt ttgaaatag ttgatatgat aatttatgat ataatttggg ggatagttgg 60
 ttatttttaa ttttataatt acaaaaatat tgtaaaaatt tgtgttttagt atacattttt 120
 aatagttgta tgaaaggtgt atatgaatat tataatgaaa catgttagta agtgaatta 180
 agaatgatat gaatatattt tgtgttaatg atataagaa atatgggatt gatatttaaa 240
 tgaaaatggt tgtattaagg ataataatga taaatgtttt aaattaattt actttaaaaa 300
 atta. 304

<210> 8198
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 8198
 tcgtgctaag ggtggttctg aatgcaatat ttgaatatta aatttaaact tatatattat 60
 tatggaacat aatttatatg gggaatatat tataagactc ataactgaaa taagtatgta 120
 taataaaaag aatatgtgta atgataatga atatctatta atatatagta tcagttataa 180
 gttttatatt atgtgagtgt ctttaattaat tattggttgt ctgagtgatt taggcgacgt 240

<210> 8199
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 8199
 agttgtattt aaaaaagcat aagtatagat tgtgttgggt agaaggagag gagaatgagt 60
 tgatttggtg aagaggaggg tgtttgtgga tgaagaggag taagagttga aagtagaaag 120
 ttgaatagat agggaagtgt tgtgagtaag gaaaagtaag gaaaaggatt cattataaga 180

gaaaatgtta ctgagtgaat taataatag taagtttggg ttca 224

<210> 8200
 <211> 704
 <212> DNA
 <213> Homo sapiens

<400> 8200
 caagcttttt tttttttttt tttttttttt ttttggtttt gaacctttta taaaagtaaa 60
 aatgaatgc aaaaagaaca caatggtgaa aacttagtat gaatgtgaac ctactagat 120
 gttcaaatct ggtagagtgc aaattttggg catactattt tacattttta caaactcaaa 180
 tcactttggg tcatatattt tctataaact attggcaaaa aaatcctcaa atttacattc 240
 ttttggctac attatttcta acagatatag atttacttcc ggtttcggag agaaagactt 300
 attgtgtgtg cgtgatcaag tctgttttaa agattcactc gctgctttca tctaataact 360
 tctgggtttt cataaaatgc tgacatcttc attggaaatt ttttcatgt aactgttttc 420
 atttcagaa aatatataag ggggtcattc ccaagttcag aatgatccta tttttttaa 480
 aaacaaaatt cctgtaaaac aaattaactc caggaactta aaatttactc caagacattt 540
 ccctcaaac aaagcaaaaa acccagccaa gatcgttaca tcacaaaacc aacacaaag 600
 aacagcgtc acaggcaagt tcttctaagc tttcattctg ctgactggg gcttccattt 660
 taaaggagtc tttttatcca gccactttca cagaatttta taac 704

<210> 8201
 <211> 576
 <212> DNA
 <213> Homo sapiens

<400> 8201
 atgagtgaag ataaaatgac cagcagagga atgcatgtct ggtttcagag ttgcaggtta 60
 ttatcctgaa ccatacatga acatcataag cgtgagtgtg atgaactgta tcggatagct 120
 acaaagcgc cattagaatg cgagtttggg gagttgaaag gaaaaataga ttgccggtct 180
 gggtagtagt tggaagatgg ttctaaatc ttgaattctg gtgatgatga ctatgttgat 240
 atggttattt gggagatatt gtgtgttaag agtttatcaa attattcttc tttaggtcga 300
 tttgctgggc atgatattaa atatatagta gtagatggg taatcataag tagcgaata 360
 cagtgatggg ggaactggat acgttcgcaa ctctgctcat aaagctcaga tagctgaatg 420
 aatagatca cttatagggtg ccactaagt cttaatcatt ggtgagataa caggcgtaga 480
 attgtttggg tcatttggga ttctatgtat agttataaat gaatggataa tgatcacaat 540
 gtgtcgtata agcattatag cgagaagaga gatgtc 576

<210> 8202
 <211> 368
 <212> DNA
 <213> Homo sapiens

<400> 8202
 ctcatgcaag tgataggtgg aactgtcgcc tgcagctaaa acaggaagc ggaataagat 60
 gctgatgctg tgctgaggtc gatgagcatc ctggtagtgg tggctgtgcc tgcaatattt 120
 gaattttaaa tctaaatcct tttatttata tttaacatta ttgatatggg gaatatattt 180
 ttatacttat cattaatata tatatttata atttctgctt ttgggtaatg aatatgtata 240
 tctatttata tttgttttat ttattatttc tatttactgt gactgtctca cttttttcct 300
 tggtttctgt ctgattaggg ttgggtatgt gatggcttag ttttatggtc agggccgaat 360
 tggcaggc 368

<210> 8203
 <211> 672
 <212> DNA
 <213> Homo sapiens

<400> 8203
 tttttttttt tttttttttt tttttttggt tttgaacctt taataaaagt aaaaaatgaa 60
 tggaaaaaga acacaatggt gaaaacttaa tatgaatgcg aaccttactt gatggtcaaa 120
 tctggtagag tgcaaatttt ggtcactacta ttttacattt ttacaaactc aatcactttt 180
 gggatcatata ttttctataa actattggca aaaaaatcct caaatttaca ttcttttggg 240
 tacattattt ctaacagata tagatttact tccgggttcg gagagaaaga cttattgggt 300
 gtgctgcatc aagtctggtt taaagattca ctgctggtt tcatctaata acttctggtt 360
 tttcataaaa tggtgacatc ttcattggaa atttttttca tggaaactggt ttcattttca 420
 gaaaatatat aaggggggca ttccaaagat cagaatgac ctattttttt aaaaaacaaa 480
 attcctgtaa aacaaattaa ctccaggaac ttaaaattta ctccaagaca tttcctcaa 540
 aacaaagcaa aaaaacccaa caaagatcgc tatatcacia aaccaaacac aaagaccagc 600
 gctcacaggg aagttcctct taactttcat tctgctgact ggggggcttc atttaaaaag 660
 ggtgttttaa tg 672

<210> 8204
 <211> 288
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(288)

<223> n = A, T, C, or G

<400> 8204

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catgagtccg cncagtgccg taaaaattgn tggaaaatct gacctgtgga gtgccttaca    60
tatgtacttg aatagaagtg gtcaataaga ttgattgcat actgcattgg aaaaagacat    120
aaagaatgct tgacctatct atttatcctc tctcatgatg tcttcgtnta gaaaagttaa    180
atatgctggt ataagctcat agtttgcaat tgcggatagt ctcatgagag cttgatggat    240
gaaggctagt aatctgtggt ataagccatc tggggaacga ggacagga                288
```

<210> 8205

<211> 160

<212> DNA

<213> Homo sapiens

<400> 8205

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actgctgaac ctttttatgt tggttacttg tctatatatg ctatcttttg gtagtctttg    60
ctagcttttg atattgtgac tgacaaaggt ctgtggagtg tctatgagct ccagcgtgac    120
aacactgcct gctggcagct tggccagtgc tcaactcaaaa                        160
```

<210> 8206

<211> 255

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(255)

<223> n = A, C, T or G

<400> 8206

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cagctttttt tttttttttt tttttttttt ttttttttat tttttaaacc aagcaaattt    60
ttattaaagg aaaaattttg cgagttttta ggtttgcgag gtgtaaattt tgtgaggggtg    120
aaaaggttta ctttttcacn cagtctgttt ctggcatgtc ttttaatgga tgtcagaagt    180
ccacctggta tcaatgtata tgccagtggg gcacactcct gtagttattt tcccgcagtg    240
ctgtgcgcca gtttt                                                    255
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<210> 8207

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(192)

<223> n = A, C, T, or G

<400> 8207
 tgttcgtgcg gacaagnttg tggcgtacag caaaaagcac ccaccaaggc aagacagctg 60
 acttcatctg ctcatntgta ttatcctgca accatcctag tgcaaataaa gcgccggact 120
 atgacctgct ggtattggga ttgagcacac gtgtctcaca ttgatatgtc aagtgttgac 180
 tgaggctgag ag 192

<210> 8208
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 8208
 ttccccctttt tttttttttt tttttttttt tttagggttt tatttttaaat ggggaaggaa 60
 aaattaaaag ttaaggaac attaaagtgg aaaaaaaaaag ggaaacactt aacccaact 120
 tttttgaaaa agaaaaaatg atgggggggg gagaaaaggt aaggggggaa aaagggtatg 180
 gggggattgg gggggggggg acgtgggagg aaaggggagg gagg 224

<210> 8209
 <211> 752
 <212> DNA
 <213> Homo sapiens

<400> 8209
 ttatgaggta gatccttgct tgaaagtatc tgctgaaaag ccagtaacg tggcagcttc 60
 atgcataaag atataaatga catttgcctt aaatttggca gcctaccctg gcttgggtca 120
 gattttgttg ttgaacacaa gaaagtattt aagcaaagaa acacttcagt ttaattgaaa 180
 acaacttttt gtaatgctga cgtgttaaat tggcctgagg gtattaattg atatctgttg 240
 attttgtttt tctttgaagt ataacattac tttttggagg gaatttttga aagatgcttt 300
 cgatttctct caattcttta agtcatgcaa aatgaattta aatccaggg agtatggatg 360
 cattgcctta gttttgatga gcttttaatt aaatgtgtgc aatatcaaaa tattcaaact 420
 tacaagctgg gtaaatacat ttcoctgatta atatottagt gcttaattgt tcccacattt 480
 tcaaatttga ctttactctt ttttggcgta attcagtaag attgttacca gccagtgtgt 540
 ttgcacacat ttgggttggt tctagatgag ttagggacag tcataaaaagc tggggatgatg 600
 tcgcatttgc aatcagtagt agcatatttc cagaatatga gccataaggt gcagtcctga 660
 atacaacagt gttatccata gaaaggagct ttctgacaaa tatacatagc ottactaatg 720
 agtaccctg cgccctccct cccaccgac ct 752

<210> 8210
 <211> 368

<212> DNA
 <213> Homo sapiens

<400> 8210
 tttttttttt tttttttttt ttttttggtt atttctattt ttttttgtct ttttgtatag 60
 gctaatttgt cggatttggg gatgagatat tgaagggttg aaaggattat atactgtatt 120
 ggtggttggg tggttggttg ttgggctggg ggaagggggg ggaggtggga aattaattaa 180
 taaaatagta ataaggtcct agataaatat tatagttaa gggaggaggg gggggggtag 240
 ggggataaag gggcaattgt gaagggggga tgggtggatg tttttgtgga gctgtgggag 300
 tgaggatgtt aaaatgattt atttttatag gtaggagggg gggggggtgg tgggtgttac 360
 gtggcggg 368

<210> 8211
 <211> 690
 <212> DNA
 <213> Homo sapiens

<400> 8211
 atgtggtgtg tgggtggacac aaagttcatt tttattttct ttttccttta ttttttctta 60
 tgggtgaatga tggaagatta ccgattaatt acacatggca catggataat ggatgttggc 120
 tgtcatatct aattgcaatt tgttatagtg ctgtgtgatt aagtattgtt tattgactat 180
 tattttattct atatggtata taagaaggaa gcaggaatgt tagctgatga cacgtgaata 240
 tttattatac atgctgtgtg ctgcgtccat gttgattgct tatgacgtat ggcgtatgga 300
 acatttttaa gtcattcttg atggtagctg atacctgatc tgtgtgttga gttatcctgt 360
 atgtggatca tatttttaac tggattacgt gttactgggt tgggtgtggg ttgtgaacca 420
 caccagagat cactaaactt gcttcagggt tagtatctga ctgggtgatg gattcttaag 480
 cgccataagt catttgagta tttgattatc tgaataataa catgcaaatt agcaagaact 540
 gggcatacag ggtaagcggc aaggacaata aggatttttg tagatattat atattttttg 600
 tttttgggta aggagacaag tttgaagagc agacaaaatc tcttttttaa tatagtatga 660
 atgagaatac ttaaaaaaat ttaaaaaata 690

<210> 8212
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 8212
 ggtacatttt tatttttttt tggttgatgt tgtttgtctt tgaatgaagc atgtaattta 60
 ttctcttaaa gaggagaata catgtggatc tttagaaagt aggaggacat gtctaacata 120
 gatcgcttgt gtatatttta gtctataact gatcatgcat tacttagctg ggcgtgggtg 180

ctcatgcatg tattctgacc ttctggggca actgacgctg gataatattt aatacctgga 240
 tagtggatga tgcagtgagc cacaatcacg ccaatgcact ccaacctgcg tgacagaccg 300
 agactatgtg taaacatcta cttcaaatat atgggcctgg atgaatttaa atccgtggat 360
 ggcgacgtac 370

<210> 8213
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8213
 tactcttcca attaatatct acattgatat tcaccagata ttgtgaactg ataacactga 60
 aataataaga attgcatagt atttgaagct gcataatcaat aacagctttc ttggtaatgg 120
 ctctaatact atcttcttta tgggtgggctc tgcctcatat tc 162

<210> 8214
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8214
 gatagggaaa agttagatta ttggaagatt gtgtatactt attgatgaat atgatattaa 60
 aatggggat gtagataaag aagaattgtg atttgaatga gaatattgag aatggattat 120
 tgtattgagc ttttagtggt tttttattta ataatggaaa ataagctggt gtttagag 178

<210> 8215
 <211> 498
 <212> DNA
 <213> Homo sapiens

<400> 8215
 gtaccatttt gcagcggagg gcatgatgga aggacaagcg tttagaaagt atgtatctac 60
 tctgtgatcg gatattgga tgtaaggagt gctgctgtaa ctggaacat aagagggatt 120
 atgcttacac aatgatctca tggatatgtg ttgtagcat gagctgtgga ttagaggattg 180
 tgtgctagag gaacgggtgg agagattcct caagctatgg tgaatgatag agataatata 240
 tctgtatggc agaatatgga cggcagaaag tattctata tgacaatgat tatttgctat 300
 gtatagatgg tgacattatt gcaatgaagc taggacgtga gcacgctaact cactaatgaa 360
 tacgggattg gctgcagctt gaccgtatga gataggtccc aacgtggcgg atgcatagat 420
 tgagtatttg tatgtgttat atagatagct aggtgtaatg atggatatag gtgatagtgg 480
 gtgaatatgt tattcgct 498

<210> 8216
 <211> 550
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(550)
 <223> n = A, C, T, or G

<400> 8216
 caacgctctg aacgttccac tccacaatag gagacaccag ctgaagatgc gagatattgc 60
 tgggcaggcc ctggcttttg ttcaggatct tgtgacggct cttctaaact ttcataccta 120
 cacagaacag aggattcaaa tttttcctgt tgattctgcc attgacacta tatctccatt 180
 gaatcagaag ttctcacaat accttcatga aatgcgctcc tatgtccgcc ctcttgagga 240
 aggaatgctt catttatttg aaagtatcac tgaggatact gtgactgtct tggagacaac 300
 tgtgaaattg aaaacttttt cagaacacctt aacctcctac atatgttttc ttangaagat 360
 tcttcctat cagttaaaaa gtttagaaga agaatgtgaa tcctctcttt gcacatctgc 420
 gttaagagcc aggaatctag agctgtccca agacatgaaa aaaatgacag ctgtgtttga 480
 gaagctgcag acttacatag ctcttcttgc cttgccaagt acctcgggcg cgaccacgct 540
 aatcactagt 550

<210> 8217
 <211> 162
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(162)
 <223> n = A, T, C or G

<400> 8217
 gctgggcacg taaggtnacg ttggatgaata tctctaactc acggcatngt atatgcaggt 60
 attttcggta ccaaggacaa ggttctaagt catactatta aaggctaata aaattcaaaa 120
 atggtttaaa gaattcgaac attttgaatg acgcagaggg ct 162

<210> 8218
 <211> 530
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(530)
 <223> n = A, T, C or G

<400> 8218
 ggnccgagtc aagcctgcgt atcagaatct gagacagcgt gttgacaact ttgttgcaaa 60
 tcacttggca actcacacat ggagtccgca tctcaataag aaccagctaa gaaacaacat 120
 tagacaacaa gtctctcaaat cangaatggt ggagtctggt attgaccgaa ttattttctca 180
 ngttgtggac ccaaagatca accacacatt cagacctcag gtagagaaag ctgtgcatga 240
 gtttttggcc acgctaaatc acaaangaga angaagtggc aacacagctc cccgatgatga 300
 gaaaccaggc acttccctta ttacacaaag tgttcctact cctgggcca gtgctaattgt 360
 agccaatgat gccatgtcga tattggaaac cataacttct cttaccaag aagccagtgc 420
 tgctanggct tcaacagaaa catcaaatgc caagaccagt gagagagcgt caaaaaaact 480
 tacatctcat ccaaccactg atactaataa ccctgccggc ggggggtgga 530

<210> 8219
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8219
 gtccggggat gcacgcatga tggctggtgg tggatatgtg aaaggataaa ccacagccaa 60
 atgaaaacac tattgatata ggttatggcg acgctgatat aagtaaagac agacagcagg 120
 gcacatgaca cgacatacac acagcatgga cggcaagcag gaatacagat ctgattactg 180
 agatgtgcca ttattgatgt caagaaggtt cacatgatac agtgtatgag tgaaggtctc 240
 at 242

<210> 8220
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 8220
 acatgatata agagaaatgt tcctatggta tatatgaact cctaacta tgatcgtttt 60
 ttttttttta aatgtgggta ttggtgtggt ttattttttg ctgtttactt cttactgaa 120
 gacttgttgc gttgtaaaac tgtttaataa aatatatggc attaacttgt atttcaaaa 180
 aaataaaaga caggctttac actatttcta gggggacact atttcgggaa tgttatgtaa 240
 aactctctat ctagccattg ggaccgatat cagttgattg ggtatcgtct 290

<210> 8221
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8221
 aacaactcca ggtgcaagtg aacaggaata aaaatgccat cgtttttact aatgaatttc 60
 acaaacatat ataagcgaaa taacaatggc agatgcctcc actgtacttg agcaagtcac 120
 cactgatctg tttggagaaa ttagtggtga tgtegggtgt ggctgtggcc tgtttctgtc 180
 tgattgtgaa ataggtaggc ctggttatgt actggtgtgt aactccaggt aacggcatat 240
 tt 242

<210> 8222
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8222
 gttttatgct tgtggggttt ttttttctct gatctaggta ttaactacca aataattcaa 60
 aacaccaaag aatcatttg aatgggagaa ggagaaacag gttgaagcac tgacaatttt 120
 tgcaagtgag aattcaagga ctgtattgta gccacagta tgtacattat ctacgaac 178

<210> 8223
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 8223
 cactatattg gccaggcttg gatatatgaa acttgtgtca cttaaaacta aggcgggtgtg 60
 tgatattaa agaggctctt tacatctgtg ttagctggct tgagaactcg caactttgac 120
 tatcttgaat gtgctgctgg atggatggcc tttgctctga ttaggatccc catggtgaac 180
 cctgtgcca cagatggatc cggatgcagt gcacttgtcg ttaatggagc tcgtctgaat 240
 gcataggaga tgtggttcac acaacagtgc aagaaacctc cggcctaggt gaggggaatc 300
 cacttgcca cagtgtctc tatctcacac cttgctcga cgactgcaca gcat 354

<210> 8224
 <211> 450
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(450)
 <223> n = A, T, C, or G

<400> 8224
 gttccagcac tgaggaaga ctcagtctct gccatcacat acacctcatc actaagaaga 60
 gacacatgaa ataattacca tccagtgtga taagtgtct gacagaggat ggagtgagga 120
 ctagtcacct tgggaagac agagaagcaa ggtcccacca agagatgaga agccagcctc 180

cangagtgcg ctatctgaga gggcaagaga aagaaggcaa aggagacggg tccatacttg 240
 aacaacttga aataacttgt ctgcatttca agaacaacct accacagacc ttacctgtca 300
 ccttggtctc cccaccaat ggagatggct ctaatgggtg cacaaaccan ggaagggaaa 360
 tctgtggttt aaattcttta tgcctcatcc tctgagtgtc gaaaggctgc tgnagctgt 420
 atgctgttaa tgctaattgg gatagggggg 450

<210> 8225
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8225
 aggggtagga agtgaggtgt atggatatgg aatgtaatg aggtgtaag taataggaaa 60
 tttaaagggg aaggtgaaat gagttaggat gtttgtggat gagaagaatg ttatagatat 120
 ttatgatttg tagtgggaag ttattgtatt gttatattaa tttataata gttatggg 178

<210> 8226
 <211> 514
 <212> DNA
 <213> Homo sapiens

<400> 8226
 ggtggcggag cttgaggtaa tgggaaggg gtttgtgtgt cttgagaga tagagattaa 60
 tacatctatt tataaaatat aatcaattag ttaatataat attgattaat gttaagtttg 120
 ttacgtaatt tttgtttatt atgattttat tagaatatat gaaaacttat aagattataa 180
 tgaagaatga aaagatttaa ggttattaca tgatgacggg agttgtgatg agtctttttc 240
 atggaatgga agatgtattg aaaagtaata ttgagagaaa ggactgcaga gacaagaatt 300
 aataccaata ggaaggcagt gctttgaaat tataatgaat gtgagtgaat gagcttaaag 360
 tataattgaa gagttgtag tgattaaaat aattagaagg cgatcgtttg tgatgagatt 420
 taatcgaaag tgattattag aaattgaaa tacgtgaaga gtgggtgtatt gagtttgta 480
 aaacgttaag ttaacgcatt ttagttataa gcta 514

<210> 8227
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8227
 ggctcgtcgg acgcgcaggt tactatgggt acttaatgta attctaagt actacattta 60
 taaattttgg ctatatgaat gtatcatcaa tggaaatcgc atatctgtca aggatctgct 120
 ctttgctaag gaaaagtggg agagcaatgg aacgagcgt tg 162

<210> 8228
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 8228
 caggtagcgg agttggatcc ggctgctagc tacacggagt gtagggacac tcaaggctct 60
 tacatgctggg aaccgagcac atcatcatgc tgggtacttt ctggccacat cggagactct 120
 gacaattact tgatgctatg atctgactga agacatgaag taagagggtca ctgtgactaa 180
 atatccagaa gcctggaagg aggggcccggg agctctcaag aatggggggac aagatggcca 240
 catgagggca gctctgtgcc atatcggcac aaggcgggaag aaagaccaag 290

<210> 8229
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8229
 aggtacataa aaacgctgct gggtagaggt cctgtggtga cagagtcaaa agactgcaat 60
 gttgatgtca cccggtgaac tcttggtttg tgagagtgca tcgggattca atatcatgga 120
 ccttaatgga gtaattggaa gacctcaata aggaaaccat tgagcctatg gaaggttt 178

<210> 8230
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 8230
 acaatatggg tcgttctttt atatcgaaaa aagtgtact taaaaaaagt ttatttatcg 60
 tataaaaata agtcttttac atctgttggt agctgtagt gaaaacttga aagactcaga 120
 ctcagtggta aacaggatga atggtccac ctcgccttcc cgtttgggag agggatcttg 180
 agggctggga cccctctgcg tcacagtagg ttgagtgcgt tgctggggca gcaggtttct 240
 aaaatthttg ccttcaaggc aaagccatag caggggatgg ggtttcagca caaccagtgg 300
 caagaaaaga ctaggggccc tcggctgatg ggaaatccac cttgtgcacc agcggttcct 360
 cacaactcaa 370

<210> 8231
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8231
 ttctagggta aaggaaatat cataaaaact aaatataagc agaagctcaa gggatctatg 60

tatgaaagtg ctgggagaat aaaagttatg gaagaggagg aaattctgaa tcaaacacag 120

attctttggt ttctgggcag gattataagt gtgtatagag tgggaagaag ctcatatg 178

<210> 8232
 <211> 210
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(210)
 <223> n = A, T, C or G

<400> 8232
 tatggntcag ntcttttata tcgcaaaaag gtgtaactta acaaaaaggt taatttatcc 60

gtattaaaaa aaagntcttt ttacatcctg ntgnttaggc tgggtggtgt aaaaacttgn 120

aagcaactca gcacctcaga tgggtaaaca gnatggaatg gttccaccct cgtcttttcc 180

ttttggcagc aggatcgttg nagggctggc 210

<210> 8233
 <211> 194
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(194)
 <223> n = A, T, C or G

<400> 8233
 atactcgggn ggnatggngg nctccatccg gncctcggg tccaccttcc atcagatgtg 60

gtatcancaa gacagnagta ggacgagtcc ggccccctcc atcgtccacc gcaaagtctt 120

ctaggcggna cgtatgactt aagttgcgtt tacacacctt ttcttgaca aaaacctaac 180

tttgtcgcag naat 194

<210> 8234
 <211> 242
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(242)
 <223> n = A, T, C or G

<400> 8234
 tcggagtctg ntagcgaggt aaaatacgna cccagtaaaa ttgtcaatag ccagtgtctt 60

gtaattgttt tggtttcggn ttgttttcta ttagtactta tggtcagtct cgggctgtat 120
 tgcatacctc ctgcatgcgt aggtaattac ggtatgtggt ttagtggagc tgggtacttt 180
 ctaggggatt ttagtcgggg gtgtatgtcc tttgttgggg gctcagctgc tcctccctag 240
 tt 242

<210> 8235
 <211> 242
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(242)
 <223> n = A, T, C or G

<400> 8235
 ggtacaagag agtcatggaa agtatttgaa cttgaactta atagcgatat tattaatgtg 60
 tgtgtggcgc acaatcttgg cctcaaaagg tcatggataa cctgagcatg ctcttattac 120
 ataactgggt agacaatacg accgttcata tacactgctt gctgtatcca cggaaagcac 180
 acctgtcgca caatgctctg aaacagctac ttcacgttgt gctggacagc tgaagangtg 240
 tc 242

<210> 8236
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8236
 agtacaatta tatggcccca gggatattgc ggagggatgg gtttaaaaaa gtctttcgga 60
 tataagaaag aacataggat gaaatgagtg gtggagaaag ggttacctat agaagactaa 120
 ttattcaaat acttctcteta tctatagtat agtatattca ta 162

<210> 8237
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8237
 gtgtacaggc tggacacgat gatggatcac aggcgctgga tccacgtgta agccaggacg 60
 ctcagaacag gcttggcgag ggcgtggatg tgctcgcgat gtacgacaag caccaggact 120
 cagagtgc ataatcagcgtg cagacacatc gcacagtgca tgcttccgga gtggagtagg 180
 actgccacat atgggagatc aaagatggca ctgaagtaag cgaaca 226

<210> 8238

<211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8238
 gagtatttgg ggaacacatg tctaataaat gccatccttg agtctctcat aatcattgat 60
 cagtcatgct gttatctcat gcaactgccc gccgaggtag ctaagaatgg gttaacagcg 120
 agcagggcag acataccatg cctggatcca atgggataac aatgtttatt tggcagacta 180
 attttactaa gata 194

<210> 8239
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 8239
 gtataaaaaa ttggagatgt aggggggttg agttgatgta ttattatttg attttatatt 60
 ataataattct atttggtggt atataaattg atggggaggt gttttttaa tatttaaatt 120
 taggtttgga ttgattatgt ttatttgtga gttgtgatta tttttgagtt gtgaagtttt 180
 gtaatattta gtggtggaga tgggtgtttg gtatgtgaat attagcttgt gtgggataag 240
 gtggagaatg tggttgta 258

<210> 8240
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 8240
 caaccttttt tttttttttt tttttttttt ttttggtttt taaggggggg gggccacaat 60
 ggttaaaaag gaccttgga aacagggaac gaaaaaatg gttttaacaa aatttgggaa 120
 ccaaagtaaa atgggataat gggggttggg aagaagggaa ttggtttggt gggagccggc 180
 tttgggctcc caattccttt tttttgtcct ttggctgggg ttagggaaag gggggaggca 240
 aagggcaaag ctccaccctt ggtatttaa aaacggcaga acaaacatgt 290

<210> 8241
 <211> 290
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(290)
 <223> n = A, C, T or G

<400> 8241
 acatagatta tctgggctg gtggtctgtg tctgtgtaat accagctact tgtnaagtgt 60

agggtgggatg atcaactgat ccaaggagga caaatagggtg acaatgagct gtgatattaa 120
 cactgaaatg caaccggagc tgcattgtgaa cctgggtgaa tatacataaa taaagattgc 180
 tgcaccattg gatgaagata ggtgatttca tatatgactt gcggccagat gcagtaggaa 240
 acatatatct gtgacacgat tctacggaga tgactggagg gagagtacgt 290

<210> 8242
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8242
 tactgtgttg aacttcatta ttcaatgtca ttctatgtca taataacaga aaaccctata 60
 caatcagagt tgctcaatac tggaccttca tgcaatacta ggaaccgta cgctggtgca 120
 ttgatacacg cacaccatac gagtcacaat gccaaatgga aa 162

<210> 8243
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 8243
 gggaccgcag ggtgcactac aacctacgaa ctacgcgcac caccaactac caccagctgg 60
 tcgaacagac gcaagtatca tcacaagcat ggtatacaac actgctcctg cgcacgaaca 120
 cctctggagg gacaccatgc tgtatgctgc taggctagtc tagtatcctg ggatattcaa 180
 tccacttaat ctgagttatt tagcaagtcc 210

<210> 8244
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8244
 tactcactat cggtgctgga atcagtttca tagaatgact agctaatagc tgcaggtggc 60
 tataaaagaa aggaatgtgc aacaaaggaa atgaatgatg tatatctaca tatgataaca 120
 ctgacagctt gtgtaggtac catggagaac agccgaatag gctgatgtga agatggctctg 180
 tgtagggcta aatgactaa gtaatgtgta ttgtcaaggt atgttccaat acagtataac 240
 ag 242

<210> 8245
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8245

gtacacagga tatagacaat aggaaaataa tacctcggtc attaacaaca catatagaag 60
gacaccagct gtatcgtgct ggctatcacc tacctgtata taattactta tctggataa 120
gctgacaaca tagaccttaa gtgtagggtg gcaatgatgc taggaatctg tggagggt 178

<210> 8246
<211> 162
<212> DNA
<213> Homo sapiens

<400> 8246
gtctggacaa ttcactgagc tcgttctctc tctctctctc tgtgtgtgtg tgtgtgtgtg 60
tgtgtgtgtg tgtgtgtgta tctggcttta tgttgcatc tttccattg ggccactgtt 120
ctgtgccaac atgcaacgca ataatctggt acccacattc ag 162

<210> 8247
<211> 306
<212> DNA
<213> Homo sapiens

<400> 8247
tacatgatgg aaaggaagaa tggacgacga tgcacgacgc tgatgaaggc acagataatg 60
acgaggacga agtgggggga cgaacgaggg agatggatgg tcactagaat agtatgacct 120
ctgtgggtggg cgaacgagcg agattgacag acatcacagc cgcattgact ctgcagtggc 180
aacagatgga ggctcaacag cattaaccac gccaaagcctc gggcatgtac cagccggagg 240
tgactcaggt gcataagaca gcccacagtt gaggcgatga cgtgggggaa gagcacaagc 300
gagaaa 306

<210> 8248
<211> 600
<212> DNA
<213> Homo sapiens

<400> 8248
gccggtacca taaagaaagt aggattaaaa tctaaaaaga cccccaaagc ttttcaaac 60
ctgatctgag aattagataa gaatatgtca cttagaaaga caagcctgta gcacctatag 120
ctctgattaa cctgaaagca tcaagtgact ccctcttttt ccaccctacc aacatcactc 180
taattatact tccaattaga aaaataatgt agcatttccc tggcagtaga gattaaatat 240
gagttcagga atcagctcct ccaaacatgc ataaatgagg acaaggagaa gccagtactc 300
cctgactgca cggcgaagtg tgtgggcagt tgaattaag gtaaaaacag tgaggctgaa 360
caaaatcaca ttaagaaaaa gcatctcatg aggcttttcg aggtcagttg atgaaggcca 420
gataggagtc aatattttct catatacccc agctgttacc actattcata ttccaacagc 480

ctccagattg ctcgaggcca cctggttgac tttaccttg gagtcggtcc agaaaagcat 540

tatttacct tgtgatattg tcctcacagt acctcggccg cgaccacgct aatcactagt 600

<210> 8249

<211> 434

<212> DNA

<213> Homo sapiens

<400> 8249

caggtaccac tatttgttgg agatattgca cagtggaaaa tgacataatc atggatatgc 60

tatgggtgac gctgtatata cagttgaaaa ctatggagtt cgaaatggtg ggggagaatg 120

tgatatgaga aaaaagatat acatgtggta agaacctcta acaaggtaa tgtgcatgcg 180

cgaaggctca tgaagatca gtgtgtaaat tggcttatag cttatacaaa aaaaaaaga 240

aataaaaaaa aaaatgacct cggatcgcca ccgcgcta cactatgtga attgacggcc 300

gcctgcgcca tccaccatat gggcatagct accaacgcgc aggatgcata gattgagtat 360

tctatagtgt aacctggata ggttggcgta aatgtggtcg tatgctgtgg ctgagagaca 420

attgtatcca ctcc 434

<210> 8250

<211> 258

<212> DNA

<213> Homo sapiens

<400> 8250

ggacgagctc cagtatattt cgtagataag gcacagatga aatgacata gtcattccatt 60

gctatgagtg taagcagtct gtacaatgaa aactatggat gttaaatgat gaggaaaatg 120

ccatgagaga aagagagaca tgtgaaacta acagctgaca aaggtaatgt gcatgaccga 180

ggtgatggga gacttcaggg tgtatattac cttctacata atagaaaaca aaagaaagga 240

aaaaaaacaa atacttgg 258

<210> 8251

<211> 434

<212> DNA

<213> Homo sapiens

<400> 8251

gcaggtgcaa gggcatggtg ctgagggggc agggggaggc tgaggcagcc gaaaacgcat 60

tatttttctc tttgaatgat aaagataaat acaactacat atacaatata aacattagga 120

aactgagaca aagataatgg ttaaggttat aacgtaatcg taatagcaaa agattataat 180

agaaaaaaag aatacgaaga ctagtaacat gaggaaggag aaggaaaaga gaaaatgaaa 240

catgaccgtg gctgaggtga agatgattca tggagaagga aatgtatatg aaagaaaatt 300

gagagagagg aatacggaga cacgaaccaa taccaatata agggcaatgg ttttgcatta 360
 agatgaaggt gacggagaca gataaaggct aagtttaaaa gtggaagttg atgaaaataa 420
 tagtaagggg atgt 434

<210> 8252
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8252
 cgtaggtacg gccctcccc tgtatgcctc ttcgtggcag taagcatgga atattgtaa 60
 tggtaggact ccagtaattc cttccagtgg ctctactatc aggctaggct caggtataac 120
 ccaggttatg gcatattcgt aggtagctgc tctctatgct tc 162

<210> 8253
 <211> 546
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(546)
 <223> n = A, T, C or G

<400> 8253
 ggcaggtgaa ggacctgttt atctctgatt tctggagttc agcnactaga aaccatcaat 60
 agatgtctca caaaacatct ggaacaactg aagacccttg tggggactct ttcagacatc 120
 tttgaaacc tgcattctga ctcaattgcca gaggagtcag atgtggccac tgattctatc 180
 ccaagagaga tcttggtcac aggaacctgc catttgaagt gtgtgtgta cggcattggg 240
 aactttgcca cctgcatcgt agctagaaac cagctaactg ttttgctgct tttggtggaa 300
 aagtgccaga ttcccagaag tcaactgttg gtatatgacc ctctgtttag ccaacttgaa 360
 attgaagtcc ttaacacctt tggtgtgact gttctcagtg agaacgagga agggaaacgg 420
 agtattcgcg gggagcccta ccactcttta catgctccat tgtgggacgg ccttgtacct 480
 ogggcgcgac cacgcctatc actaggggat tcccgggggc ctggcggtcg gaccatttgg 540
 ggagag 546

<210> 8254
 <211> 530
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(530)

<223> n = A, T, C or G

<400> 8254

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ccngggtgta acatgccata ccatgaccca taacaggggc catgcacacc catcagtgag    60
gaccttcggc ctagccatgg gacttcagtc taactatgtg acgctactca tactaggtat    120
agtaactaac acaatgacta tataccaatg aagacacgat gtaacactga agagcagatg    180
ccaaaggcac aagacaacac cagtgcaaaa aggcaccaga tgcgggataa tgctatcgat    240
tacgtgagat gttatttatt tcgcaagatg tttctgagtc tgntagcact ccatgatagt    300
ctctacactc caaccaagag ggcaactggcc aactacgagg gtaacggcgc tcaacacgct    360
agaagccgca ctactaaaca catgcgcaac acttgcataa agaggatcaa ccagcagagc    420
gaaccatagt caaatgagaa aaacacgaaa ccatacaata caagcgtgc ttaacacaat    480
aagaccgggt cattacaata ccaactgtgca tgcacatag cctcccgaca    530
    
```

<210> 8255

<211> 274

<212> DNA

<213> Homo sapiens

<400> 8255

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cgggcaggta ctcaccgtgc gtgacactca agcctgactt aacacagtgc atgtcatctg    60
atctacaaga agatacagaa ctggaaatga aaagacatgt ggcggactat cgggcaatgg    120
tggaattgca taacgaacct gtctagttag tctagcgtga tgctccataa tgatgcacac    180
ttggtgcatc atagaggtgt aagcaggaac caagaaccag ccagcagtgt ctacactttg    240
tgattggaca cttgggccgg ggaacacgcc tcta    274
    
```

<210> 8256

<211> 418

<212> DNA

<213> Homo sapiens

<400> 8256

```

agcccccccc cccccccacc ccggcccccc aaaccaccaa atgaagggca cgggaggagg    60
acacacaaca cgcccagaca cacagcacag caggggccgc gaaacggaga caaccccccc    120
cccacggccc cgagaagaaa aacaccacgc ccccccccac gaacaccacc aaaaaaaaaac    180
aaacccccca caacaccccc cgggacccac agcccaagag aaccaccgag agaaccaaca    240
accgggggga ggcggaggca ggccccgggg agcagggagg aaagcggaca gccaggggag    300
gccgcgacac ccccgcccc gccgggaaag gcaggcggcg gcaagcagca acaaggggac    360
agaagggggg gcaggagcgg ccgggagccc ccagcaaaa ccaaccacaa attccggg    418
    
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<210> 8257
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 8257
 ggtaatatga tgaataataa agatgatgca aacacagaac atacttagtc agacatagat 60
 gactacagat agatggtgag gtggctgggg agtcctgagt ggggatggtg gagaatggga 120
 atacgaaaca gcatgctcta ataatggaca cactgggaga gatgcaacta agggttacag 180
 actgcaagat gagacaacaa tgagccagcg tacacacaaa agatataaga ggaacacgct 240
 acagaaatca agcaataaga tgaaaaagat aggggtacaaa ccacacacat taacaaaagt 300
 ggctacaact gggaggaatg gagacaagag gctgtatctg ggtgctaagg tgacaagatg 360
 caaggagagg gaagtcacat gcaatgatgg aaaggacaga gagaccacgc tgatggtggc 420
 tatggactgg gtaccacat gatcgtagct 450

<210> 8258
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8258
 ggggacagga tacggaggag aactcaatag catggtcact ggtgtaaatt ctgcattgta 60
 gatacacgaa gcagccttta cctattactg gagcctgctt tcactaacia taaatgaaaa 120
 agctgctatg cacttctaca gcaggctctg ggattgtcat at 162

<210> 8259
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8259
 gtaccattgg tggccaattg atttgttggg aagggagggg tcggtgaact tatttgatg 60
 ggaccggtag cgtagggctg gggacggggg cgaggagcac gatgtaggta gggacgatac 120
 atcataccgc ttctatttgc tgcacgactg accatgatag tactagccaa gtgatggt 178

<210> 8260
 <211> 594
 <212> DNA
 <213> Homo sapiens

<400> 8260
 aggtacacct aagttcacat gaagttgttt cttcccaggc cctaaagagc aagcctaact 60
 caagccattg gcacacagggc attagacaga aagctggaag ttgaaatggt aagtgaaact 120
 gtatccaagt aagcaggtaa ctgggcaaac ttcctacggc acaaattggct ttttagttac 180

ctcctagtgc tgaatgcatt aaataaatgg cggattcttg tcttgttatg attaataaga 240
aagtttgtaa atgcagcctg gatgatgata agcaaatgct gactgaacat gaaggtctta 300
attagcteta actgactaaa ggcatttggt agttttggca ggggatgaac actcatctgt 360
ggctattcta agaccactct tttttcttat gtggagtcca acttgccctgg accagcttaa 420
tggttctggt aagttttaat gaaaacagta gatagactta atgaaaatgc tgatggtgat 480
atgcttactg ctgagcta at ggcttaaagc ttggctgatg aatactgact gtatcttccct 540
tgagcatgtg tggaacagcg gttatgtggt ctccttgacc gtggttggga cggg 594

<210> 8261
<211> 674
<212> DNA
<213> Homo sapiens

<400> 8261
gtaccttgag aggtgtcgtt aactttcctt gttaacgaaa acagtataac acattttcct 60
gctgattaaa gttattaatt cagagactga aggggctgga cttgctacct gtatagaact 120
gtgtgtaaag gctcttcgct tggagtctac agaaaatact gaagtgaaaa tatctatttg 180
catgaccatt ttatgtttgt tgctgatga tctggaagtg taaacgtgct tgtcaactga 240
gtgaatatac tattgagtct acagtagatg cgtattatgc tgtggaaatg ttgtataatc 300
agacagacca gatatatgat gaagagaatc ttcctatacc aaattcttta cgctgtgagc 360
tgttacttgt attgaaaact cattggccct ttgatctaga attctgggat tggaaaatct 420
tgaaacgaca atgtcttgca ttaatgggag aagtagcata cattgtgtct tcaataggat 480
gaactaaatg acagtgagga tatgaaaaag tggtagacta ccaagaagag agtaaagaaa 540
cttctatgaa tgggctttct ggtggagtgg tgctaatttt gcccttctta aggacttggt 600
gatgaaaaga caaaaaaaga gaaagataaa acaagtaaaa aaaaaaggga ttaatatgtg 660
cttgattat gtat 674

<210> 8262
<211> 324
<212> DNA
<213> Homo sapiens

<400> 8262
ggtgaccatg tgagatgtgg attacatga gcaaacacg acgaatgagg acacctctga 60
aatatataca aagcaacata ctgatgattg tgataacgtg ccgtaaatgt aactgatctc 120
tctgtcacca atgacgacag aggaggcata taacacaaat ggcaataaag ggtctaggac 180
tggaggatcc agatgagact gaatgaatgc tataaataat cgggtggctac cacgcatatg 240
aatagagaat cttcgtgcga ttagctgggt aacaatattg gataaccttc atacgcatag 300

gaaggatatg tagtaaatta tatt 324

<210> 8263
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8263
 aagcttgga tttagtttt ttttttttt tgtgggtta gagtggctca ggggggcgtt 60
 aagggtgtcc agactgtacg cgcatagttc agaaaaaagg ggcttgaatt tcatgtgcaa 120
 cttgggatgg ggggaaaggg ggacgtttga gaaggagga aaacaggggg ggaatatttt 180
 tcaaatcaac ctcc 194

<210> 8264
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8264
 attggggcaa tctcaaaagt agtaaaattt tttttgtctt ttggctaac tctacagtca 60
 cagcagacca agtttcagct tacatttaac aggcagaagg ggagaaaaaa aattgacagg 120
 aatgaaagtg cgtaagaaca tcacccttag aatcaatta caaggtactt acatggaagt 180
 agaaaacat ctct 194

<210> 8265
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8265
 ataggcggg cctggaggcg catgcctgtg gtgccacctg cttaggatgc tgaggccaga 60
 taaatgattg agcctgtgag gcggaggatg gggatacatt gttgattagc tagatgagct 120
 tgaaaatata gagataaaca agatcctaga gtgcatgaag ttggcatgag aatggaatt 180
 tgtttggtgg atgaatctga aacataatgt tagtgacagt aaaaag 226

<210> 8266
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8266
 aatctatgac tgcatacagt tactaataca aatattaatt acaccacact ttggaagtat 60
 aaaaatggta aggtaatggt gtgtaattga gaggatgaga tgagaggata gtttaggccg 120
 tgtcttgctg cttacatgaa agaagacttg taacaatgaa tt 162

<210> 8267
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 8267
 tgatcagaac acatcagatt agctacagtg ttgggattat ggggtgtgatc tattgctgac 60
 ggattgtgat attgtttgtg tcattatttg gtcactttga tatcgtagat tattattgtg 120
 ttgtgttaat atagtataat atgtgtattc aatcacaaat taaaagacaa tatagttggt 180
 atcatcaaca gggaatgatg aggaaggagt gtaaggagag atcagagact gcaagagaat 240
 aagtgcagag aagccagcag agataattat atatgtatta tataagtatc agtgtatgtc 300
 gtgggtttca tattgctagg tagattcata aaattgagat ctctgtgata ctatagggtg 360
 tatatgttca acttgatag aaactgtgat gtgttttcca cagcggatga tacggccc 418

<210> 8268
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 8268
 cgggtatatt catagttaag tgataggtac aattaaat tcatggcatg tgattaaata 60
 tctatcgaca catgctctgt ttattatgta attctgatat cttgaactag gatgtggatg 120
 tggattgtgg tctgataggt atctattgga tactactacc aggttgagtt gttcatgatt 180
 gacatggaaa actaccaatt gttataacat ataataatca tctatactta catatgggat 240
 ggttcattag ggtcgacagg tgtgtgcagt gtcccatggt agtaatctga cttaatgtga 300
 aatttatgac ccccccttgg tgctcctatg tggttagtg atctattata ttttctttct 360
 gtttggtctt tctctttttt ctgtgttata accgttgtgc ggtctggaga atagtgacta 420
 ttttgtgtct gttt 434

<210> 8269
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 8269
 ggtctaattc tctcttttgg aatgtagatt ttttttttac catgctttac gatgtaaaat 60
 atttatgttt tattgattcc tggatatctg gctgagggat tatacatgga acaggaagat 120
 gcgtggtgac tattcttgtc ggtgatgttg agagtctctc gtgactgtca tattgtagtg 180
 gtagatcata tattcactct ggtaggccgt gacttttagg cttagttcag actgtgtggg 240
 cggcgtctca gatgacttgt gtctgcgcgt ctgtctggag gacagcacta tgggatagat 300

cctaat 306

<210> 8270
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 8270
 tgtatattct agaagctgat aattccagtt ctggcgaact aggaagatta gagcaagatt 60
 ctcaatcagc gtatgatctt eggagagggtg tgggaatgtg ttatataaca ttcattcttc 120
 ggtgtgctct tggactaatc aacttatctt ccataagatg tggttatggg ttctgtatta 180
 gtggtggagg tgggatgaga cgacttaat catgatgagg attaatttag atattgggtg 240
 tgatagtgtc ttgagaattg ttaagcacta ttatgtaata gctatttgat 290

<210> 8271
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8271
 gaggctgtca atggtgtag agaaatgagg gctccctaaa acaatttctt tatgtatag 60
 ttagtcaaaa gttatcatgc tgtgactata gttatagcga tgaagatgaa gaaaaggcag 120
 atgctttgat cagtttactc atacaggaag ggatagacat aagtgcctc ttcatgcc 178

<210> 8272
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8272
 cggagggata agaaggtaag taagataatg taaaataaaa ataagtgatc aaaaaacatg 60
 taaaaaaaca aatatattta gagaacataa gttatgttct tgttgggtg gtggagggtg 120
 ggagttggtg aggtggttcc atcgtcaaac gaaacagcac gaaataataa agaagaaaat 180
 acaccaaaaa acaa 194

<210> 8273
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 8273
 ttgatcgaga agatgagaat gtggcttgtg atttacaag aatattaggc ttatagtctc 60
 agtaacataa tgatcatttg aaaggtatat gaatgtgttg gataacagtt tacatttgag 120
 tgtgctctc tataacatga ttgatctacc ctaatattat gattatgtat ataaggattg 180
 ggacatgtgg atcagggtgc cggattgat ggtgacgatg atatgtgatt atgggtgtga 240

gagtgaatat tgaaatgg 258

<210> 8274
 <211> 498
 <212> DNA
 <213> Homo sapiens

<400> 8274
 aggtactagg aaaaggcctg gctgccatcc atcgctgcct ctgaggggtgg agaaggagge 60
 gggtgatgtg ctcaactctg atcaacatgt gttgcctcct ctcaagcaac ttctagctca 120
 ctgcactcac tctgggtcatg ataaatgttc gtcaccttcc tgcttcattc cttagggcct 180
 aatcaggaa gctgttttat cgatggtttc cttttgggtc agtaaccagc tttggataat 240
 ttcctctgat tattcaagtc gtgggacagg taaactacat tcagcaggaa cttttctcga 300
 ggagtgttat gtcatggaaa agacaccaa cacagcaagt attttaatga atacaccatc 360
 ccaggggggt cagtaagtc tgctggcaa gaagacacag tgagaggggt ccacagttcc 420
 tgatgagggg ggggtgtgggt acttgtagac cctaacatgg gcaggtctgg gtcaccttta 480
 gaaactctca gagaaact 498

<210> 8275
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 8275
 ggtacatata atacagtctg tcaagagaac tactgggttaa ccagaaaac ttggcatgat 60
 tctcagcgtat attgtgttct actgaaagggt acaggaatgc atcagataaa atataaagtg 120
 tgatgtgctc ttgcgacagc gtcacgcatg tgcctaaga tttagttgct tggatccgaa 180
 aagagggcgg tgtggcatta ggctcctgta ggcagtatga ggatgatatc aaatcatggg 240
 tgtgaacctt ggctgctg 258

<210> 8276
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8276
 gccgccccgc ggccagggtg caatgacacc tttggggaag gaaaagaaag actaccgttc 60
 tcaccccctg accatttgggt attagcctgg ctgcctcaa aaacttcca cgctcccctc 120
 ccctgcgcca cctcctaaa gatgacctgg atactacggt gcctgcccc accccagtta 180
 gcctccccct actcctggg cctacggagc gcgcacaggg cgcatgtacc tccctaagaaa 240
 tt 242

<210> 8277
 <211> 162
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(162)
 <223> n = A, T, C or G

<400> 8277
 tatattaata tntgaatgtc gttgtgattc ttatgggtact gtgatatatg ctatagaaag 60
 atggattgga gggtttgaat aggttatggg atagtcagga gagatagaaa tgggtgatgg 120
 gaaatggctg tggatgata tgatagtta ttctgatctt ca 162

<210> 8278
 <211> 402
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(402)
 <223> n = A, T, C or G

<400> 8278
 atcatgaaat atactctatc cctcttctgc ttaatataga tctgatctca tactgactta 60
 gaatacaatg atatatgtag tgtgtgagtc gtgcagtggc aaggtcagga atgatagtga 120
 tataggatat agtcttctgc tggtgacggg atattgagtt tctattatct aacttagtgt 180
 cacaatcttg aagaagtgaa tagtttgaat cagaccagtt atcattcttg atggaggaaa 240
 agggatgatg angggtgggtg aacagcatct cctttgctgc ctctctgcct ccactatcct 300
 gtcccatga ggagcggaag aaccggtatg actgatgagt ggttcactgc atccctttct 360
 cctggcgtgg tcttggctct agctgcactc tttaggggca ga 402

<210> 8279
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 8279
 tgtattgaag taccaaatct attgatgttt ggtgctgata aagaatgtag actgtagaga 60
 ctagcagtaa ttacttgctc tacttaatga tgcctatgt tttattctac atgcaaaaag 120
 aatgattgat ctctgagcat tgttaaatgt tgtgggcggg aattattgtg gacagatgat 180
 tcttgatttt gactctatac agatgtgcat tattgctgtg gaaaggcacg aggcagctgt 240

gtagctctta taaataagga tcaaatatta gctt 274

<210> 8280
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8280
 gtgatgaagt taaaattatt gagggggtgc agaataagag tgtatacagt agagaataga 60
 agtaataata tggctactt aatgatgtcc tatgtaatat tcgacaggca aaaagaatga 120
 ttgatcaccg agggatgata aatggtgtgg gcggaatta tagtggacat atgattcttg 180
 aattagagtt atgg 194

<210> 8281
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8281
 tttggatgta ggacaactca tttgagaatg gtatgatgaa tggattgaat ctactgggtg 60
 ataaatatgc atacaagtga ccagctactt ggcgtcaatt caaaatacta ttgataatat 120
 aacaaatccc aagatggcat ggtacagaaa agtggatgat gtgcatactt aatgttca 178

<210> 8282
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8282
 cacagcagag ggcaagcggg cacgacgaag agacaaaaga cacaaaàcaa gaaacacgaa 60
 accaaaaaca acggcçaaac gcaacacaac acaccaacac aacaacacac acacacacaa 120
 aaacaacaca acgcaacaaa caaacaacaa caggacacag gc 162

<210> 8283
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8283
 gcaacacgag ccccatcac acagcaccgg ggcaaagcgc agagccggac gggcaccggg 60
 cgaccccgcg ccccgccgca gcaaaaaaa ccaaacacgg gcaaaaggag accctaacaa 120
 gccgagaagc aaaacgtcat cacacgccac ccctgçgca aaccçgçgç gaggagcaca 180
 acaagaagca ccçagacgçc ccagccaacc cccçagagçc ccgtaacaaa çgçççagaga 240
 gg 242

<210> 8284
 <211> 530
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(530)
 <223> n = A, C, T or G

<400> 8284
 gggcaggtac aagtgtgcag agctgggacct tcattccaca ggacataatg catggacaat 60
 ataatgttct acagaaagat catgccaaga ccagtgatcc angaagatca tggaaaataa 120
 tgcacatcag tgnaacaaga gaacccatag agcttaaattg tgtgtctgtg acaggattca 180
 ctgcactggt tacttgggaa gtggaaagga tgggctatac cattaccctc tgggatttgg 240
 agaccagggg catgcagtgt tcttcccttg gcacaaagtg tattcctgta gacagtagtg 300
 gagaccagca gctgtgcttt gttttgacag agaatggact ctctctgatt ttgtttggtt 360
 tgactcaaga agagttttta aacagactca tgatccatgg aagtgccagc actgtggaca 420
 ctctttgtca tctcaatggc tggggaaggt gctcaattgc catacatgca ctataggccg 480
 ggatagaaaa tcgtcagctg gacacaggaa atttcttttt ggagagcaag 530

<210> 8285
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 8285
 acacaaaaaa gtaaacaatgc aaagagggcc gaacaacagt cataatgata aggtctgaga 60
 acaaaatcag gagaggatag tgctaaatgg ctgacaggat attagccata cgacattaac 120
 tacatctggt gaggaggcta catgactgga gaggcagcaa acaactggaa gccaaagaac 180
 acctcaatgc atgactcaga ggggatagca gcagaatata ctgcaccctc ggatccgaac 240
 taacatcaag gatataggcc taaagaggat ggagcttcta agatgttatg aactggtacg 300
 agagca 306

<210> 8286
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8286
 tgagaaggcg ccgggcccgg gactaggcgt gagccgggga ggggtacactg gggcgcagct 60
 ctgcggcact cgtctggtgg taataataa actaaacct gggtcacaag gtacgatccc 120

taatgaagct ccgagtagga caaaaatgct cgatgatgat gtcacttct tctgttgcca 180
 gaactttgcg tcgt 194

<210> 8287
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8287
 cagttgcagt agtataaatc cgaccgtgcc tggcccagca ggacccccag gtggacctgt 60
 tgaccaaac accagcatct ggggccgtgt agtacaggta ccctgtctga acgatagttc 120
 caaaaaactg caagtaagta tgggtgggata tagacccac ccactaaca cagtgttt 178

<210> 8288
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8288
 tgtggtggct gtataggcaa gttctagcag ccttcttttc cgacaggtec cttccaata 60
 ccaaccgctg gttgctcacc tgcattaacc acccccacgt gcggtctgtc ttgggggaag 120
 tggaaatggg tggagatgat ggcctgagtg ttggatggtg agaaaaggtt tgtcgaggag 180
 gacgcgtagg cgta 194

<210> 8289
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 8289
 agcttttgtt tttttttttt ttttttttgg gaagggatga tgtgattttt tcttttataa 60
 catgattttt aaagacatta tgcattggggg taacattccc ttgaaagggg gcttgcaagg 120
 gttatgagcc tctagccgag ctggaatctg gaggaagagg cagagaagct tggggaaaaa 180
 gaggcagggg aggagggggg gggcataagg 210

<210> 8290
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8290
 tgggtgataa gggtagatgt attattattg tttttgattt tgatgttgtg ttttttaatg 60
 atttgattat agggaaatat tatgtaaaat aagtgtggat aacaagtatt gaatagggaa 120
 ggggatgggg attgtggggg agagagtgag ttgatagtga gt 162

<210> 8291
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8291
 gttgtgaggg ttgggtggtg ttatttgtaa aaggggtgaa ggtgaattta gaatggactt 60
 atttgttgtt gtgttttaga ggttaaaata atataaatga aagagtggaa gaatagtaaa 120
 agtaaggggg aaggagggat aagggattgt ggtttggttt gt 162

<210> 8292
 <211> 514
 <212> DNA
 <213> Homo sapiens

<400> 8292
 accgtttttt tttttctaga gtcagtaaat ataagcttga gttgaaagac tttacttatt 60
 cctgctgcta caatttaatt ctctaataat aatattatat tcagagtatg gcttattaag 120
 tacagggccc acatattgaa ccaagttcat gcagatttgg attgaagtta atactaaccc 180
 aattacaggt tgactataac ttgactctta aatttgatat tatcttcaaa attataaata 240
 gattacagag atttagaact gggtataatt tagtaagatt aactttgcag tgttagaatt 300
 tttagcaaca aattttttaga attttttttag caaaaagagg aaatacacat taacaataaa 360
 atatgctaga ctggctctgt tggctgaaca gagcatcatg tggttaaaga actgtagaaa 420
 cgggcttacc aagggttgaa ttctaccac tgctctccgg tgatgtagct gtgttatcct 480
 ctctgctgta ttctcgggtt ctcttagggt catt 514

<210> 8293
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 8293
 gggagcgcag ggagctgacg tctttccggt acaaccctga gttctactct ggcattgggg 60
 actgtgaggt acacatactc aggtccaggg atggaggggt ggtcagggac gctataggtg 120
 accttctggt tgtatatacg ggtgtgtgct taacagccaa agtttacctg agtccgtttt 180
 cttgggggtga tgaacagatg ctgtcttgcc 210

<210> 8294
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8294
 tctggagtgc gcaggatagc gggaacagcc actgggcttt ggggaaagga ctcgattagt 60

agatcgagag tattcgtttc tatgcattat caccagcgcg gcatgcatat gttctagggg 120
 cagatcattt tatatatctg agttatttag gttgattcat tgcaggggtc tagttacatg 180
 gaatgagggt agacatgagt tctgtaatta catgagagta ggtaatgggg ctttcttcag 240
 ag 242

<210> 8295
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 8295
 gagtgagcat acattaggat agggatggat gctagtctaa gtattgtcga tgtgcttact 60
 actacctcct gtgatcgtaa aggtgattga tatataggag tggctctgct atgtacgtgt 120
 atgagacaga gtggatggtg aggttaagaa gatggacctg ttgcgcgccg ttttgcacat 180
 ggtatagata gatggatgat agtgcagaat aatctgatgc ttatgtgaat gagtacgagc 240
 tggatttgta cagccgggt 258

<210> 8296
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 8296
 ggcgcaaggc agcactggtg gtgccggcat tcgagaccct gcgctaccgt ttcagcttcc 60
 cacaattgaa ggtggagctg ttggcgttgc tggatgctgg cactctctac accttcaggt 120
 accacgagtg gtcccagagc ctgcgatctt acagactatg cccgctggcg ggaggetcag 180
 gtcccgtacc gtgtgcaatg ggcggcccgc tatgaactct acgtggtggt gccacgagac 240
 tgtccccgct atgatcctcg ctttgtgggc ttcggtgga acaaagtggc ccacattgtg 300
 gagctggatg cccaaagaat atgagctcgt ggtgctgcc gagggcctcc gcat 354

<210> 8297
 <211> 162
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(162)
 <223> n = A, T, C or G

<400> 8297
 aaaanaagta ccacctgagt cagtgagggc cacagattgg tattaatgag atacgaaggt 60
 tgttggtggg tgggtgtgtg ctggagctaa gtggataaga atgtagtggg agtggaggta 120

agaatgggtg ggggtaaagg aagggggatg ggagggcggg gg 162

<210> 8298
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 8298
 tcaaattgtag agtagagagg gaaggggaagg agaaggtggg aagtgaaaa agaagatgaa 60
 aggaggatat agagcagaaa aaagaaaaga tgagtatttg tgaaagggga ggaaaaaaag 120
 aaaaaaagat tgaaaaggaa gaggatttat tgtatagaag taattgaatg aggaaaatgg 180
 tgtgtttgtt tgatttagat ttgtatattt tagtaaatta tagttggggg tagagaattt 240
 gtatgatata ggatgaacaa aaaaggggta gagagagtta tatgtcataa ttctgaattt 300
 aattgtggtg tggagatggt aattaattat ataaaggaga aaataagttg ttaa 354

<210> 8299
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8299
 tcagtgtatg acccgtgagg tgcctgagcg tatttgacgc gtttctgatg attctgcggg 60
 aacagtgggtg catgtgccgc tagaccggcg agctcggcga cttgagtgat gacgacttgg 120
 acgtggtgtc caacgacaaa gagaagtgta agacgtagc cggacacgtc tgagccagga 180
 gggaggtggg gttg 194

<210> 8300
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8300
 tctggttact atgtgacctc agggagaagt tagtaagata ttgtgcatac acgttattag 60
 atgggcgtac aagtgcatac aagtgataaa agaaggggtga gaagagatgt ctgaatccag 120
 aatcgaaggc gatcaagaat tactgaaagc agttgagcga ggagaggtag gtttgatgta 180
 gccggcagaa gaatcgctat ttaggaaacg gcaaactggg agtcgg 226

<210> 8301
 <211> 533
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(533)
 <223> n = A, T, C or G

<400> 8301
 tacactacac cagccgcccag ctctgccccca cagacaagac catggagttt ggccgagact 60
 tccggatcaa gcaactatgca ggggacgtca cgtactccgt ggaaggcttc atcgacaaga 120
 acagagattt cctcttccag gacttcaagc ggctgctgta caacagcacg gaccccactc 180
 tacgggcat gtggccggac gggcagcagg acatcacaga ggtgaccaag cgccccctga 240
 cggctggcac actcttcaag aactccatgg tggccctggt ggagaacctt gcctccaang 300
 agcccttcta cgtccgctgc atcaagccca atgaggacaa ggtagctggg aagctggatg 360
 agaaccactg tcgccaccag gtcgcatacc tggggctgct ggagaatgtg agggctccgca 420
 gggctggctt cgcttcccgc cagccctact ctcgattcct gtcaggtac aagatgacct 480
 gtgaatacac atggcccaac cacctgctgg gcttcgacaa ggcaggcgtg agc 533

<210> 8302
 <211> 594
 <212> DNA
 <213> Homo sapiens

<400> 8302
 tcaggtagggc gtcccctctt cccttgccct tctctgcacg gtaactccgt ccctcggcat 60
 ttctcaatac cccttgcccc tagatccaag cctgtctctt gaggaacaac cgcgagacc 120
 ctgcctcttc tgaccacacg acccgccttc agccacttgg tctggctca gacccctcag 180
 agcaggaagt gaatgaattg tgtcagtcgg tgcaggagca tgtggagctg ctgggctgtg 240
 gggctgggcc ccaggggtgaa gccgctgtgc gccaggccga ggatgccatc caaaatgcc 300
 acttctctct cagcattctc ccattctat atgaagctgg aagctcccca agccatcact 360
 ggcagcttgg gcagaagctg gaggggcttc tgagacaggt gggcgaggtc tggcgccagg 420
 acatccagga cttcactcag ggcaaaactgg acacagcaag gagcctctgg ccacagatgc 480
 tgcagggatt caggtggagg gaggagatag agggggctctg gcaggggtggg aggggctccc 540
 ggagctggtc ccagagcagg ggtgggagat gccttgtggt agctcagga gatg 594

<210> 8303
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8303
 aggaggaagg tggtcggtgt gtagcaagat agtagagaga actatgtcct gatcctctga 60
 taggaaatgt gaagacggga tgttttgatg ggtcccaggg agctactgct tggtagagc 120
 cccaggagga gggccaaact ctggacctca tttctgcagt gactaatctg gatgtacg 178

<210> 8304
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8304
 ggtgacatg tcagatcttt gtacgtaatt aaaaatattg tggcaggaaa aaaaaaaaaa 60
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa agaaaaagaa aaataagtaa 120
 gggggccgga gggttattcc ctttagggag ggtgaatggt tagtttgag gtgggcgg 178

<210> 8305
 <211> 642
 <212> DNA
 <213> Homo sapiens

<400> 8305
 agtttcttct aaggcatcaa gagccccagg ctgaaaagca cccagagct ggagcttata 60
 gaaccaggg cagcagggtc tccaaccttc tgacatcatc agagcacagc agacaagtta 120
 tcagccacta gatttttttc cccctttctg aaactgtaac ctttcattcc agccattccc 180
 cagagctgga cagaggacgt ggctggctgg ctggtttctg tagtcagaat gacagttggg 240
 tgatagatct ccttcgtgaa gcaatgtctt agctcagtaa ctctgcagag aagctggctg 300
 gttcaggatg tggcttatgt aagaagatgg ccctggcgtt ttacgcgcac tgggtgggtga 360
 ggctctgaaa gtggtagaag ggaattcttt cctagagttc agctgcccgc tgcctgctc 420
 ctgaggggaa atgctgtgag atctgcattt agcctgtgtg tgctgattgt ggttctgccg 480
 cttcctggct gtgtgagctc agacaagtca cccaccccct ctggggcagt ttcctcatct 540
 ggagaagggg agagtgcccc acacattggg ctgggtgtgt ccatggagtg gctgacaata 600
 accagcacac acgagacatc agtagcaggt gggttcttcc cc 642

<210> 8306
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 8306
 cgttcttcta aggcacaaag agccccgagg ctgaaaagca cgccagaggt ggagcttata 60
 gaaccgaggg cagcagggtc tccaaccttc tgacatcatc agagcacagc agacaagtta 120
 tcagccacta gatttttttc cccctttctg aaactgtaac ctttcattcc agccattccc 180
 cagagctgga cagaggacgt ggctggctgg ctggtttctg tagtcagaat gacagttggg 240
 tgatagatcc ccttcgtgaa gcaatgtctt agctcagtaa ctctgcagag aagctgcgtg 300
 gttcaggatg tggcttaagt aagaagatgg gcctggcgtt ttacgcgcac tgggtgggtga 360

ggctctgaaa gtggtagaag ggaattcttt tctatagttc agctggccgc tgtcctgcgc 420
 ctcagggcaa atgctgtgag atctgttttt tagctgtctg tgctgattgt ggtgctgccc 480
 cttcctggct gtgtgtactc cgacaagtca cccacccct ctggggcggg tttcctcatc 540
 tggaag 546

<210> 8307
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 8307
 atgctcgatt gtgtaccatg tactggagaa aaagcatcaa gttcttaaac catgtagctt 60
 cgtaccttag tacgcatcct ctatctgtgg aggctcaacc aattattagc cagcagacag 120
 tatatgcatt gaaaatggcc taatgtcata taactgatgg gggtggaac aggatggccg 180
 aggaagctgt gaggggtggat agagctggct tatcattctg tgctgtcttc atctgtccat 240
 accgcttcca ggttgcatca ctctcacagc gtgtgagtga cagtatcagg atggttgccg 300
 gagtctcatg cgttgtgttt atgtataaag ggtgcagaga gattcactga aacagatact 360
 aaaggataac 370

<210> 8308
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 8308
 gagtgagact ccggtggcag gaacaaaaac aaagaaaaac gacacaaaa aatataaaaa 60
 cacatcagct tgacattttg gaggcattcc cagactcagg gttagtcagc agattagcat 120
 ttaagaagaa agtcttgtcc ctacagattg cctgacctca gctacccatg aagggtggga 180
 agaggagtgc tgaggaagaa gtacaggaag gggacaacct cctcagacct gataggacac 240
 tcctgtctcc accctgcctc ctgactgatt tactctcggg ggtgtgagga cctctgagat 300
 aggcgccagg agtctcacgc gcggcactga tgtctcaagg gtgacccgag agtcgctgaa 360
 acagatacta gaggaggggc aggtgatagg ataaagtgag aggtactgag acttgctggc 420
 gtgggtgagc ggctccgggg gggccgaacg 450

<210> 8309
 <211> 642
 <212> DNA
 <213> Homo sapiens

<400> 8309
 gccgccactg gtcgaactcc attgtcgggg gcctctacc agccgccct ggccaagtcc 60

attgtcgggg ggcctctacc agccggccgt ggcgaactcc attgtcgggg ggcctctacc 120
 agccgcccgt ggcgaactcc attgtcgggg ggcctctacc agccgcccct ggcgaactcc 180
 attgtcgggg ggcctctacc agccgcccct ggcgaactcc attgtcgggg ggcctctacc 240
 agccgcccct ggcgaactcc attagtgggg ggcctctacc agccgccccg gtgaactcca 300
 ttgtcggggg gcctctataa ggcggcccgg tgaactccat tgtcggaggg cctctataat 360
 gcacccttg caaactccag ggctcgactc aggtcggatc gagcccgtc tggggtttca 420
 ctgaaatcgt cagcattttc agagacagca ggagccctgg atgaaaggaa gactggcacc 480
 cttgtgtggg aaggaccctc ccccgatttt ggaacagagg aggcagagct cctcctgaaa 540
 ggtggcacct gcccggggc tctcctgggt accccggagc aggatgaggc caggagggtga 600
 gcgatgaggc caaggttggt aggaaaggag gggcagctgg gt 642

<210> 8310
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 8310
 gaggcccagc ctgggaaggc tggcgaacgc taaccggagg gtttttcttc cagacttgat 60
 tccgggatgt tgagatcgtt attcgaata gactagcatt cgagtcgcct gtgatggagg 120
 gagttcctgc accgtaggcc tggcctcatt tattctgcaa atgtttattg ggtccttgcc 180
 ctttacaaga tctgtgctg tgagcaggat cagggtttc atgtggaaat aagtcggcct 240
 ttggttgacc aactgaaact cctctgaatg gaaaatcaag aaatttttgg aaaacttagt 300
 aaaatgttca atgagttgca tataagtatt ccttgtttag gtagcctgga ctttgtgaac 360
 ttgagattct 370

<210> 8311
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 8311
 ccagagcgag actccggtct taaaaacaac agcaacaaca aaaaagattt gatgcctctg 60
 atggagctga acatttatta tacagcaaca gcagcaagga ttgctggtgg gcagactaca 120
 ctgtagggca tctggtcttc tgtagagtc tgaaggacac tattgtcaga gctctgccct 180
 tttggaatga agaaataatt cccagatcca ggaggggaaa cagggtgttg ttgagggtcc 240
 tggcagcagc ttttctggca cagtcgagac ttgggaggct ctcccgaag ggggcatcat 300
 ggagctgagc ctgcccactg ggtattccat tgtctatgaa ttgaacagga ggagcttgaa 360
 gccattgag ctcatgcagg taccaggaga cgaagagggt gtgcataaag acatggaagg 420

ggtggtggtt aggg

434

<210> 8312
 <211> 482
 <212> DNA
 <213> Homo sapiens

<400> 8312
 cacgtttcac agatgtggca actgaggctc agtgagggtga cctgccaaca tcctcaggct 60
 cagcagttct caagcactac tgcccactgt acctgattgc ctgggtctgc gcctgggccc 120
 ccgccctttt acaaaagggc cacggcctct caagagctgg acatgaagga tggggcaagt 180
 ccagtcttga tcggtaatgc ccacttgaca ctcccaggag cagcatcata gcatttatac 240
 aactccttgt ctattcccc atgctgggca cacaggccat atcagtggac tcccctcacc 300
 cgtccattca gttacaccac ttaagcctgc ccatgaagac aatggctaag gtgacagttg 360
 gttacataaa ttgaagatga gtctctcctc cagatgcatg gtccgtgaag aaatttaata 420
 gcaaagacga gaagaagata caagtcttta atagtctctt gggatatttc tcacccaac 480
 ag 482

<210> 8313
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 8313
 gacatgcccc aggggacatc agaggtctct ctgcatgggg attaacagga gaggaggaag 60
 ccctgacatg tccaataaac tcaatcatct ggaagatagc tcagtaggtg tacccttgac 120
 ccagcattgt gggagaagat atgtctggaa tgtgtatata tgcggggagt gagaaaggaa 180
 tgtcagcagt caggatgtct gcagatgggg aattagaaat ctgtcttagt gttgggtggga 240
 gccagttcaa aagagacttc agaaggattg atggtttaga cggggtatct atataggacc 300
 tgtttagatt aacttcagtg gaatgagggg tgatgtatta ggataatata gttagctgta 360
 accagcaact gagctgtaac aaagccactg acactctca ctcatattct atagtccagt 420
 gagggcttag gggacagggg gtgctctgct cctccattc tttctg 466

<210> 8314
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 8314
 acagtccggt accagatcgc cccatctgcc atcaagaatc aataccacac actccatcca 60
 caccactccc agccctgaga ggggctctgg ccagctctgc taggtctgag ctgtgtctat 120

gcccggatgt ggcagataag gagaaccatg gtaggagccg taagcagctg tgcgcaggca 180
 gccagagggt ctcgaggag gaaggcgagc gggcggcgagc agcctggcgg cgggccacag 240
 cttcaagagc ccaagccagc ggtgccccta tccgggggat ccatatagag agggaggtgc 300
 ggcgcacggc catctagagg gg 322

<210> 8315
 <211> 562
 <212> DNA
 <213> Homo sapiens

<400> 8315
 gctgcagcca agattctggg ggctgggggtg gcgggtggag gtggggttgg agggagcggg 60
 aggaagcagc cagaactacc aggcggcatt gcccagcttc ttctgcttgg cgcctcccc 120
 cgccagccgg ccggctattt ttggcatctt ggcagctgag ccccctcgg catccccca 180
 ggccccgtgg cccaaaccag gttgtgcgtc tcctcacggt tcccaactggc cttcgatcct 240
 catttgctaa atatctgcga aggcagctcc cgcctcccc gtgcctaagc gaatttaatc 300
 ccagagcga cagacgcgga gccccgggag actgcttcat gtcagagatg aattgtacgt 360
 aagtgaggac agggtttcta tcttgcagct gtaattcatt aagatgaggt cacgcaggag 420
 cagggagaag cctaattcaa tgactggcat ccttataaga aggaaatctg gacacagaga 480
 cacagggcac gggcaagtca caacacaagc agagactgga gtgattcatc cacaagtcaa 540
 gtgacaccag ggatgggcag ct 562

<210> 8316
 <211> 418
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(418)
 <223> n = A, T, C or G

<400> 8316
 tgctgatctg actgtctttt tagtgggtcac actatcctta cttctgtgc ttaccattct 60
 cttgtttact aatatgatag agtacatttc tcatgtctct ctaagaaaga ttgttaatgt 120
 atggctgggt ctgcttcate ttaaagtatt tatactgtat gtggctctct gctaacttac 180
 tgatatctgt ggtatgatta ttagaatcat atatattgt gcttgtgggt gaatgtagta 240
 ttctatcatt tggcatagct ctcataattg ctacattgag ctctgcatgg acatttggat 300
 gctttcttat tttatgctag tagtatgtgt gtgaggacag attagtgatc gagaatcact 360

. ggaatgtggt ggtgagatat atatatnttc tccatatcta agtaagggat tatatttc . 418

<210> 8317
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8317
 accttctgtg taagagtcag tgagagtagt agattgagat gtgagaaata gtagagaatt 60
 agatataatg gagaagttgg ggtgggggtgc tctttgagga ctagctgctg ttcgtgtgcc 120
 ttgtgatgcc ttcaggggtgc tgcttttgtc tgctgtcggg tggatgttta gggtgaccag 180
 tggctggatc atgtgcggtg catgtatact tgtatttgat cgcaggtagt tatagaatta 240
 tt 242

<210> 8318
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 8318
 ggcgaatgcg agtgaacctc gactggctct cgattctact aggttgtcac tatgaccaat 60
 aaccacccat aagaacctca ttgtttacta tttggattgc tgtgtatata caagacagat 120
 atctcccttt atggaaggag taatatgatg aatcggtagt ggatgggttg cgggtgtcttg 180
 gtcgtgatca agctagttac tattgaattg ggggcccgct gcgatgcat catatgggca 240
 gaaagtccca gcgtgggt 258

<210> 8319
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 8319
 ggtactgaac agggaaagca tacctcacca cagcgattag catagtgtt ccatgctgta 60
 tgtgacgcc tctacttaca aggggtggca tttatatcag taacaggatc actgggtgtca 120
 tcatgagtag ggtgatatac atcaataccc aggaccaagc atgatcatcc tgctaatact 180
 gtcgatgtgt ggggtgggat gttccagaca ggaaccagag gacaggagcg cagtaccatg 240
 acaagcaaga tgaccagatc cttcacagac ataggggaaa ttataatgac tctgcctttg 300
 gactataggt ataaataatg gaatggtgaa ggcttatgga catgtgtgtc taagggtgaca 360
 tgtaagcgaa tgatgagagg tgacttgagg cacgggctcc aaagaatctc acgatgtaag 420
 ctgtccggcc ataagtgtt gagacagaac agataggacg agtaaccaat cggaggggagc 480
 caactcacta tacaactatt ctatccactg tggaacgcat gattgtgtgg atggtacaga 540

tacggc 546

<210> 8320
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 8320
 gtactatctg tgaagttaca cttttttttt ttttttaaagg tagagatgtg tgtgtgtgta 60
 ggtattaaag atgtgttggt ggttactaaa atggattagt gggagatgag ttatgaatgt 120
 agatgtattc agaagtaggg tgacagattt tttggtgaca tggcgtggtg ggggtgaaat 180
 acagtggagt ctgaaggttc ggggagcgaa gaatggcaat atcatcgcac atccgtgctc 240
 cacacagcgc tagtgacaga tggagacctc atag 274

<210> 8321
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 8321
 gccgaggtac atgcctgtat acggacatcc tcttatttaa gtgtttgtct ctttcgtcat 60
 tggggactcc agcaccctaaa catagttccc tagtatacta gttggtgccg aataaaaagt 120
 agctattatt agaaaaggaa ggtgaaattg acatgggagt tagtaaaatg tataaggaaa 180
 atgattttta taggggaaag gtaaaggatt ttctggccgg aaaaagcagc aaaggacaag 240
 tattacttaa agtcttgtga aaataacact tcttcttctg tgtacctggc 290

<210> 8322
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8322
 gcccgggcag ggtacaagct tttttttttg tttttttttt tttttttttt tgggttcaag 60
 ataaaaacaa agtacaaaag gaaaatgggg tgctgctact aatgcatcat acaaaccaat 120
 agcactgccg acaccgcaa ctcaagccat tccaaccaa ggaagaaagg ctggcgtttg 180
 caccctctga ggggaaggct ggcttgtaaa acagcacaat tcggagtgga atgggaaggg 240
 ta 242

<210> 8323
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8323
 ccgcgtcggg gcagggtggc ttaacgaaaa ctggaaatgt ctggtgatgg ggaagaaaca 60

agagctaata caatagctag gagcaaataa tatttctctt atatagcttg aaggtagcag 120
 gtacagtagc taggtacata gtgaaagaag gattacgatg gtaatgaaat aatttgtttg 180
 atacgctaata ggctataggg gatattgtgt aatatttgta agtttg 226

<210> 8324
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 8324
 acaagctttt tttttttttt tttttttttt tttttttttt ttttaaagca ttaattaatt 60
 accacacttt agaaagtatg ttcgccggtg atatggaacg tagggggcaa taaataataa 120
 aaggaggcgg gaaaaaaaaag acagatacgg ggaacatagg gggccccgcg gctccagggg 180
 cctcgaaagg tctatcgcg gacccaccc cccaagaaga aaaaaacccc aaaagccagg 240
 ggaaaccccc ccgggggggg gtaaaaaggg ggaagggcc cggggctccc 290

<210> 8325
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8325
 agtcttattt agcaccaccag ccatgtagac ttctcatgct ggcccttctt ggcactctgct 60
 cttctcactg tcatacattg tgggaagggt taggggagtg taagttctca gtataagtaa 120
 gaacctgtg tgagaccctc cactaccag cgcactggcc ggtttaggag gaaatcaagt 180
 aactacacc aatcacggaa aggtctcctt gcagagccag ttaatt 226

<210> 8326
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8326
 cgggccaggt acccttatgg accctggcac aaaaatgatt cagcttcagc gccttttgcc 60
 tgcagttgca ggctttatga agcaggttct ccacctccag taaattaaag tttttaaaca 120
 agtaccaggg gagaacgggg accctgcacc ctggattact gggactggca cagtgggagg 180
 aaggggggac cgtg 194

<210> 8327
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 8327

ataagctaga ctccaatatt ccacacagct gactgatagc tggatgcaat aacatgtgca 60
 tttcttaata ctacaacttc atggacagag taggggtggtg agatgaattt gactgtgtct 120
 aatcagtgt cctaaatggc tggttctgtc tgtgctcctt tgacagagag caagacagac 180
 ggtaagtagg agattgacta taatggggag atgatcgact gtgtgtgaga gggggaaggg 240
 gtagagagag gagggaatat tggctcaga ggtctcacca tcttaatttg gttgctccta 300
 atgata 306

<210> 8328
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 8328
 tacatgaagt ctgtcttttg tcaaagttct atgcagtcctc aggatagcgt gatagcagtg 60
 gttaaacaca accagctagt tatagctttc attgtatgga aagacctctc tggctctggaa 120
 ctctgccttt gaaattatcc acgtagttca gaaggcaaat acttggttaa gggatcccaa 180
 aaggtaggag acaagtagtt tttgttatgc attagggcag actttcaagc acaagacaca 240
 aaattgagca gcaaatgttt gggtagtccc atctcccttc ggtttatatg tgggtagtaa 300
 aataaataaa aattttcttc tttgtctctt tcttgaaata aatatcatg tatccaaaga 360
 gagctgagga ttctcaattt gctagattgc tttaaagggg tcagatttat aaaaataaag 420
 aattaatgaa gaacaatttt actggagtta gtgtgggtcaa taggcctttt tcattttgtg 480
 tcattgcttt tatcaciaag atgttcaaat atcaaataaa atgttctctc 530

<210> 8329
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8329
 tttgtggaag gtgaattatt gcaattttat cttacaacac aataggggaat agtgaattga 60
 tatataaata ttatttatga ataaaatact aagactacgc tagttagatg ttgcaataaa 120
 tcgaaaaggg atatatggtg cataaaaagc aatgcgctat gc 162

<210> 8330
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 8330
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 gatgtttcag tgagctttaa tggaggaaaa tctgtcattt caggatcatt aattgtcaca 120

gccacagaat gttctaacgg gatcgcagcc atcattgtta ttttgggtgtt actgctactc 180
 ctgggggatcg gtttgatgtg gtggtttttg tccctttgct gctaagtggg tattaagggg 240
 tcctccacca cccccccctg caccaaaaga ggaggaagaa gaacctttgc ctactaaaaa 300
 gtggccaact gtggatgctt cctattatgg tggtcgaggg gttggaggaa ttaaagaat 360
 ggaggggtcg tggggtgata aaggatctaa tgaggaaggt gcgagggtag agaaaggcaa 420
 aatgggtgtg gtgaagattc ctgaagaaaa 450

<210> 8331
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 8331
 ttattcagtg ttttttagg tggattatt atgtttatta tttttctcat tgatttagtg 60
 actatatctt catcatgttt tcatttttat ttgttccgaa gctcccggaa aatctaactt 120
 gctaacaatt atttaaaggg aggagagagg aaagcaggag cagctgcagg aacagcagca 180
 tttttgggta cctgcccggg gcgggcgctc gacaatcact agtgaattc 229

<210> 8332
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 8332
 ggtcttttgg tgggagttga gcgcatcaat ttgggggtgt gtatgatcca tgtttataca 60
 cattcatgct tccataatgc ggttgctata gggatacgag tgactttcgt gaggccaat 120
 ttgacatcat gtctgggcac aagatcttta tgtgttctaa attgagagga gatgatctat 180
 gacatccttc acttttatcg ggtaacta catgtatagt tcagtaatgc gggagggctc 240
 ctatagacat tttgaatttc ctagcataat gtctcaggac cgtggggaag cattatatgg 300
 tttttccaat acatgggttg gacgcaaggc ggcgtgtcac gtacggccac aggcagttca 360
 ttgcccgggc 370

<210> 8333
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 8333
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 tcgtatatct ataattattt ataatatgtg ttatctgcag tgataaatta tgatcttgat 120
 gtccgggtgt atgattaatt gtgtgactcg tcattactat gaagatgatc ttgaggctgg 180

tatcgtctgt gcatgaaggt gattgagtgc tgggtgcacag gattttaag atggctctaa 240
 agtgtgcata gaggttggtg ttcagacaaa atatgaagat gagctagggtg atcggatgat 300
 gaaatacac ttgtggagcg tgattctaag actgaagact cgcttgatga taccctctaa 360
 gatgaacgag tcgatgctga tctccgctt ctcaggggat cactgagcga tgaaagacag 420
 gatgaggtat gagtgtggtc tcgacggccg gtcggtgctg gtggccgttg ggatgtgaca 480
 gcctggagat gatatgtgca taacgagatc cagatgacaa ttccaggctg 530

<210> 8334
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 8334
 gatgtggtgg tggctctat tgagcatgtg catgcactcg ttagtactg gaggacacag 60
 tagctctaca gcgtcatgtg gcagaggata atgatctggc tagttgtgtt ttatagaagc 120
 agctatctaa cagctctcga ctcgcaaga cgctctgtcg ggattggctg taagcactac 180
 ggatgtcaca tgggtgtagtg gctggctctgc aatgagtggg gctgatggct cctgtggtt 240
 acgagtctgt attcctattc accgaagggt gtgctggagt gtctgtctgc tgtctattaa 300
 tacacc 306

<210> 8335
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8335
 atacaaaacg cgcaatatct aattatgaac agcgtaaataat ccctatcaaa gttcaaatga 60
 aatgtgtggc ttatagtgtg aatgcacaga tatatagcca tatcatgtca tgttgtgtgc 120
 ggagttgggg tgggaacacg cagaaccgga gccacgtcag ctacacctca aaaagtgc 178

<210> 8336
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8336
 agaggaaga gggtaaaga aagatgataa gaggatcaat aaattaattt tatgaaataa 60
 aattaggtca taggggtatg gaggaataa agaattagat gattatggta ataatgtgta 120
 aaaatgtgat taagtgtaaa gggaggtatg atgagaggat gg 162

<210> 8337
 <211> 338
 <212> DNA

<213> Homo sapiens

<400> 8337

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tgataagatg tgaatacata tagtatcata ctatataaat aattcttggg gtgtactatg      60
tgcacaacat taataagtat atgggaacat gttcggctta tgctgcgttg cgatatattg      120
tgatacagag ggatctacgt ctaggtatgc tgatggaact agtacgagtg atgctcatat      180
gaggtctgcc tagcgtccat aggcagctcc acatgtacat tcaactgaaat gttggttga      240
tatctgcact gaggaagcgc gtaggttata tgactttgtc atatttggtc gtgtataggc      300
ataatggaat tcattcagtt tagtgcagga aagcacac                               338
    
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<210> 8338

<211> 610

<212> DNA

<213> Homo sapiens

<400> 8338

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ctactttgta tcatctcttc tattatthttg aaagactggt taatttttca tgtcttacat      60
tcccaactaa agacctaaaa ttgttttgta tcccactca aatgcctta cagaaaatac      120
aaaaatcaat ttgatcgtht ccttaattac aggagtcatt gcaattagtt acataatttg      180
actcttggct atcagagtha cattatthga acttaaaaa ccatcttctt gtaactgaat      240
ataatthata thcctatct ccagthaata actggcataa aatacagaaa taccaacaac      300
aagtagtgta cccactggg aaagtgcata gactctgtgg ttagacagac tatataggat      360
tgctgaatca gatactaaa tacatagcag tatgacctta aaccattgta ttaagtcac      420
taatcttcta tathctcatt gthaaaaaat thgtgtatca gctacgtacg aatactagtg      480
tatgaccttc cacaatcggc thaatctctc tactaatcaa thtactcata gthaaaaatg      540
gggaagaaaa cagtatggth thcggaacgc acacagthac thgatggagag thgtgtctag      600
ggagaaggha                                                                610
    
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<210> 8339

<211> 194

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(194)

<223> n = A, T, C or G

<400> 8339

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tgaaagctat ataattagac attgthaaatg ccttagataa thtatgggha thttatctga      60
agagghaata thacatattg gathacttht thagtgtgha thaaaagata agagaaggha      120
    
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gagagaagga tggatgatg agggatgtgg atgagaaaga ggaagagtgt atgagagaaa 180
 tgggattaga gaaa 194

<210> 8340
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 8340
 ctgacatcac cgactcatat gcttattacc accctgcttg agcaggctgg ctccaacgg 60
 agatgaacga ccgtgttcct gcctggttgt tattcgacat gctcaggact gcggggagaa 120
 aggatgagat ccagcagga agaactgcct gctgccagca cgcaggagag ggtggggctg 180
 ccggccatta tgtccatacc aacacaatgt 210

<210> 8341
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 8341
 ggtactcatg gatccatagg aaagcatgtc agtgcctggt ggccacacta tacatggaat 60
 tgtggagtat gaggaatatg gcacgacctt acctcttctt aagacagttg cagttcacag 120
 ggagaggagg aagatacatc aataacccca aagtccatga aggtgcaaag agttatgtgg 180
 ggctgcccag gcagaggtga caaatgccca ctggtgacaa gacactggtg gacatagagg 240
 gaaaagccca catagaaagg tttccaggca gacaggaagt caaggcagtt ggggacggga 300
 agtcaaacaa gtgatgctgg gacaccgctt tgatgggt 338

<210> 8342
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 8342
 ttctgataa aggggacttt ccatgccgtc aacaggaag tatctgaaca tactgcetta 60
 taccgattgt actcactata taaggaaaat gggcgcagta gtgtggttca ctgagtcggg 120
 tgggaacaat gatggtgcag ataactgccca ggagtaactc attctggtga taatagatgg 180
 gacgtgtgca gcaacacaaa aataagccga tgaaagaaaa gtcctcaata gagtgtgctg 240
 tagtgtactg ggcaccagta ggctggtgc ccctggtac atgttacctt cggcagcgt 300
 accatcgctt attcagtaag tg 322

<210> 8343
 <211> 178
 <212> DNA

<213> Homo sapiens

<400> 8343

tggtccagaa gttataagaa tgatatacta tcgattttta gaagatggat gaaaaagttg 60
 tatgctgagt catacgaatg aatgaggtag acatgggaat gtaagtgtca ccatggtgtg 120
 atatgtgtga tcttaggta aagatgaatg aatatagtg agtatgctcc cattcttt 178

<210> 8344

<211> 160

<212> DNA

<213> Homo sapiens

<400> 8344

acctagaatt aaaaccaaga ctctgtgac agaaatcctc aggcccggtc ccttgttgcc 60
 tgtagacaat gaacccaaaag atggcgagtt caacagtggg acacaggctg ggcattgatg 120
 ctcatggctg tatatcccag cacttttaga ggccaaggta 160

<210> 8345

<211> 194

<212> DNA

<213> Homo sapiens

<400> 8345

gaatttagta aggctttggg cataatgaat tagaagcggg aagaggattt gtgcagataa 60
 gttatgcttc ggggctactt ctccatcaa gtcaaatctc gtctgaattc tggctatctc 120
 tctagccatg ttgcttccgc ctctcaaaa ttcaactggg tggttgaatt tagactccgg 180
 gttctaactt tggg 194

<210> 8346

<211> 226

<212> DNA

<213> Homo sapiens

<400> 8346

caaaaattgg gacgaagaat gatgaaaagt aaatttagaa tgtgctgtgc cgagaatgaa 60
 agaaaaagca gcgtggggtc tgcgtatcca gactggggga gtggagcagg aatcactta 120
 gccagagtg gcgagaacct taaaaataaa aataaataa aataataaga aatggagcag 180
 aaggcgttca taggagccaa ttttattaac taaaccaaac ccatga 226

<210> 8347

<211> 546

<212> DNA

<213> Homo sapiens

<400> 8347

ttcagagcag actaacgtgg gctgccatta tttctattta tatgtataag agtatgtctt 60

cgtgatctgt ataaaaagtg atcgtgtgaa agatgctgat tgtcagtatg ttatgtcaat 120
 gtaatcaaac ataattgac tctttaatgg tgtaggagat gggattgttc tttgttaggt 180
 gatgatactg tcagtgacat acaaaataga tgaagatta atcaatcaga cgaaactacg 240
 cttatcacta atgaagaaaa tgtgaactgg gggttgaaca taggcgtgag catcgggtgc 300
 cttgggtggtc ataatagagg tatgatgac gtgtggaggg gatagctgat ctggatcatgg 360
 acttctgtgg gtaggtgtga agatgtggtg tgtgctgaca tcgaaactcaa tagaaatgag 420
 gatctgattg tgctattgat agagtgtgtg aggcgtgagg atttgctgat tctctgcgct 480
 gaagagctgt gctgatgtgg gctagttaac ctgtggagac atgcaggctg caatgaaatg 540
 gggcaa 546

<210> 8348
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 8348
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 ttacttctaa cttgtaatca atgtgagcga tgatocatta tcatccaaat agagtgtgga 120
 gactatcgga ggatacgtga gtgtcaagta ttccaatagc aattaaaca aatgacatga 180
 cttcgagaca gctgactact tatttcggta atgtgatttg aatgtgcctg gcagtcgcaa 240
 tatatgagat cgttcacgtg atggctgatg tgtcggcagc atattatata gggtagcgaa 300
 aatggagtga gatgctggtg ggaggctgat gagcatgtga ttaatgggtg tctg 354

<210> 8349
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8349
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 aatggcaaaa tctacattta aactatagat gaatccaaag cctttagtga gagaaaggct 120
 ggtgggggtgg gattacataa aatggaccag tgggcatatc tt 162

<210> 8350
 <211> 210
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(210)
 <223> n = A, T, C or G

<400> 8350
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 gtatagccag ggattacgta ggttcaaggt cccaccagat aatgtcctta atagaaatta 120
 tgttaaacat ttatatcct ctacaaaata ccttattttc ccaaataaag attaataatt 180
 aggcaggtat taggagaatt aaaaaaactc 210

<210> 8351
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8351
 gctatgacag aatcattgta tgtgagctta aggtctctgc ataaaactga agttaagtag 60
 ggtagcctgc ccgccacat gagctgactt gaagagctac tccctgcgtg taagtatctg 120
 ttggcacagt atgtagtggg gcgtacgatt ccagaaacgc ac 162

<210> 8352
 <211> 854
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(854)
 <223> n = A, T, C or G

<400> 8352
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 acttatttgt taggcgggag ctctcctgtg cattgtagga taattagcag tatccctggg 120
 ggctacccaa tagacgccag tagcaccctg aattgacaac ccaaactctc cagacatcac 180
 caactgtccc ctgctgaggag aaatcactcc tgggggagaa ccaactgacct aaatgaattc 240
 taaaccaatc aatgtctgga gaagccctcc aagaaaaaaa atagaaaagc acttgaagaa 300
 tattcccaat attcccggtc agcagtatca aggctgactt gtgttcatgt ggagtcatta 360
 taaattctat aatcaatta ttccccttcg gtcttaaaaa tatatttctc cataaacatt 420
 tgagttttgt tgaaaagatg gagtttacia agataccatt cttgagtcac ggattttctc 480
 gctcacagan aggtgtggca tttggaaacg ggaataaaca aaattgctgc accaatgcac 540
 tgagtgaang aagagagaca gnagatcaaa ggcttttagac agcactcctt caatatgcaa 600
 tcacagagaa agatgcgcct tatccaagtt aatatctcta aggtgagagc cttcttagag 660
 tcagtttgtt gcaaaattca cctactctgt tcttttccat ccatccccct gagtcagctg 720
 ggtgaaggga gttatttttt caagtggaaat tcaaaccaag ctcaaaccag aactgaaaat 780

agagattgca ggaatccttt tctaaactgc tttgcccttt cctctcactg ccttttatag 840
ccaatataaa tgtc 854

<210> 8353
<211> 642
<212> DNA
<213> Homo sapiens

<400> 8353
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gggctgacta cttatttggt aggcgggagc tctcctgtgc attgtaggat aattagcagt 120
atccctggtg gctacccaat agacgccagt agcaccocga attgacaacc caaactctcc 180
agacatcacc aactgtcccc tgcgaggaga aatcactcct ggggggagaac cactgaccca 240
aatgaattct aaaccaatca aatgtctggg aagccctcca agaaaaaaaa tagaaaagca 300
gttgaagaat attccaata ttcccgggtca gcagtatcaa ggctgacttg tgttcatgtg 360
gagtcattat aaattctata aatcaattat tccccttcgg tcttaaaaat atatttcctc 420
ataaacatff gagttttggt gaaaagatgg agtttacaaa gataccattc ttgagtcatg 480
gatttctctg ctcacagaag ggtgtgggat ttggaaacgg gaattaacaa aattgctgca 540
ccaatgcact gagtgaagga agagagacgg aggattaagg ggtttagaca ggactccttt 600
catatgcat caaagagaaa gatgcccctt atcccagtta at 642

<210> 8354
<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(338)
<223> n = A, C, T or G

<400> 8354
ggcaggtaca ctagaaagtc ttttacaana ataatcatcc ttagatcaac cagaagacca 60
atottcaatg tncgtcctng acagagatgg gttacnfff aacatccctc ctectggfff 120
tcgtcccaat gttcctcctt taggtagtgg cgtggttaagt tggttgttgg tggattgcca 180
ccccccctcg gaggaatgcc cttgcccata aggtgcctct gggttggccc actggttaagg 240
tctgcaatt atcccctggg ccaataatcc cattagttcc ccaataggtt aataccccaa 300
gttataaatt cataatcccg ccccataggc ccacttat 338

<210> 8355

<211> 498
 <212> DNA
 <213> Homo sapiens

<400> 8355
 aatcgattga accgggaggc ggaggttgca gtgagccgag atgcactaca ctccagcctg 60
 ggcaacaggg ccagactcat ctcaaaaaaa aaaaagaaa gaaaagaaa gaaaagttaa 120
 gtgcagagaa tagtgcctga cacacggat acagtaggtg caatttcagt attagttgct 180
 actattgtca taatcatcag agtgtttcaa gagctgtgcc tccatggctc tccacatcgc 240
 ttcacaaact cccctgttct gggaccagc ctgaattgta aactccacc cgcactgatg 300
 ctaccctata agcceaacag aatcatggct ggggtagggg ctctaccctt tgggatctgg 360
 ccgaaccagg aagaggtaga gtggcctgga ggccaaccac aggtgattca gaatgttcac 420
 cacgtggttc atcctgtctt actcctgctt tacacagaaa gccacatga ctagtcctcc 480
 tctgcggggg acagacct 498

<210> 8356
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8356
 tgggtggatg gatcagtgga caagttagtg gatggatgga tgatgaatgg atgggtgagt 60
 tggttggtgg atggattggt ggacaagtga gtggatggat ggatgaataa gttatttggg 120
 gagacaaatg gaagggcagg aagattgatg ctccgcatgt tectggcttt ctgcactaac 180
 tgtactcgac gtcactagaa aaaaaaaaaa caaaaacaaa aaaaaaaaaa aaaaaagtct 240
 gg 242

<210> 8357
 <211> 756
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(756)
 <223> n =A, C, T or G

<400> 8357
 tttctttcac ctgtcttcta attagagcct cttactcctc tgtagcacga gtcatttatt 60
 ttgtctagta caaagaatat ttcgaatact catgactaaa gagctcagga gttctagcta 120
 aagaagaatc ttgaagcatt ggagttttga aatctgcat aaagattttg aagatttttt 180
 aaagattcat attataacag tataccgttg gtctaatttt tcttaatcta ctaaaaacga 240

aatagcacag gtcagatgtg acttgcttgc tttctgctcc tgtacaatcc aggagtgtta 300
 atcaaaaagc aaaatttgtg acatcagttt tatttccatg gctactgatt gtaatattac 360
 aaacatgaga ttactggcta gttcatcatg aagggttaaag aagattcctc cttggatagg 420
 atctccaaaa ccaacaccaa agggaatatt atcagagctg cttccagcag cgtgtccttt 480
 caaaaatggt ctcattattc tgagagcttt gttttatttt gtgagggttt tatcatttgt 540
 tgttggtggt taatatttta attttatgtg cttgtttggt ttatttattc ctccacccca 600
 ggtgaccgtg tangaaaatg gttatttttag atgnagaag ccctctggt aggaagcagt 660
 ttctgccttc gtttaattct tcttcacaa ataagattta ttttggaact tcagtcaaaa 720
 acatctgtac tttgtacagg acaaagattt ggcttc 756

<210> 8358
 <211> 370
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)..(370)
 <223> n = A, T, C or G

<400> 8358
 cctaagtcac agttctgtcg gactgtgggt agaagactag gagatgggta gtggagtgtta 60
 aggaccacat gccganagaa gattgataga aaccatgggt aactgtcgaa tctgtcagtc 120
 ccggcatgag tgtaattgct ttctctggag ggcttgccga ttctctccta ccagtggtc 180
 atgctttatc tatcgagctt gtgcccggtc tgcatttctg attatgttgt tgtgtattgt 240
 gtgtatgtat gtattcgtgg gaagagtgtg ttcactgaa gcctgtggct gaggattaag 300
 gttaggattg ggtaaagatc agaatatcac gtccagatat cgcagcgact ccctgtggat 360
 agcccttggg 370

<210> 8359
 <211> 626
 <212> DNA
 <213> Homo sapiens

<400> 8359
 aactggctg ctccggcagtc acgcccgtgg ccggcgggag agcggggaga agcctgggtc 60
 cgtctggctc ttaccacacc atgctcctgc ttccacatgg cagagggaca gtcagcaggt 120
 gtgcagegcc ccagctccta cttgtctcaa cagtcctaac tggccatggc caagagttct 180
 gtcagggcaa tcaactccct gacacaggcc agatggacat ccgggagaaa tccatagtac 240
 tggagctggt tcagagcccc acggaattaa gtcggaataa aaccacgaga gaaagaacat 300

tttcatgggc cctgcacgga gcctcctggg cctgatggag aggggccccca cccagaagag 360
cacagggctg gccccacccc ctgcaccaca catgcgcttt atcaactgaa cactcccaca 420
gccacacgga caggattcat tcaagtctgt gtatgtctga gcgcaggaga agaggatcta 480
ctgagctcta gctggagctt catccagcga tgattactaa tctcgtgctc caatgcagct 540
cccatcctct cgaaggggat ggtcggcgac cggacgtcta cgtcttgggg cccgttcccc 600
gagctggggg atctctgacg gcttta 626

<210> 8360
<211> 210
<212> DNA
<213> Homo sapiens

<400> 8360
ggctgatcgt gctcaggag gaaaggaacc gtaggttcac gacattgggt gtatgtgctc 60
ggctgaggag tgaatggggc gaagcagcat ctggtgggat catgagttaa cggctctaag 120
tcagaatcgc gaacagagcg gaaagatagg gcagcggcgc ggagggtcgg gtggcctggg 180
atagcgggtc ggcgggcatg ctccgggggg 210

<210> 8361
<211> 338
<212> DNA
<213> Homo sapiens

<400> 8361
gcaggtacca aaataagagg agcgggtgca ggtaactgat atttactgaa tagtaaagag 60
ggaagcgtga aggggccttg gagaatgggt aacagcatct gtttcagct catcacaggt 120
gcacagcata agatgagagt tggctatgga tgggcaaadc actgaaggta gatcaaagat 180
gggtgctcag cgccagtcgg tctcatcgat gcctagctgt tatgtaatta ctggatcaaa 240
actagatggt attagtataa gatatatgtc agataaagat agtatttaaa attgtgttgt 300
aagataagag aacacataca aaaatgtgga ttcttaca 338

<210> 8362
<211> 578
<212> DNA
<213> Homo sapiens

<400> 8362
ggtacatcag tctcagattc atcccagaaa aaagaagagc acaattattc tctttttgtc 60
tccgacaact ggggtgaaca gccaaactaaa tgcagtcctg aagaagatga ggaggacgag 120
gaggatgttg atgatgagga ccatgatgaa ggattcggca gtgagcatga actgtctgaa 180
aatgaggagg aggaagaaga ggaagaggat tatgaagatg acaaggatga tgatattagt 240

gatactttct ctgaaccagg ctatgaaaat gattctgtag aagacctgaa ggaggtgact 300
 tcaatatctt cacggaagag aggtaaaaga agatacttct gggagtatag tgaacaactt 360
 acaccatcac agcaagagag gatgctgaga ccactctgagt ggaaccgaga tactttgcca 420
 agtaatatgt atcagaaaaa tggcttacat catgggattt atgcagtaa gaagtctcgg 480
 agaactgatg tagaagacct gactccaaat cctataataa tcctccagat atgcaatgaa 540
 cttcggaaat tgaattaggt gattattgat ctgacttc 578

<210> 8363
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8363
 gagggatat aactaggggc atgaagtgtg agctatcggt aatgagaatg acgtttgggt 60
 tgctatcgct atggctaaga atgggattaa gagaggaagt ggcaaaaaa gaatggacgt 120
 attatgaggt tttatgccgg agcgactgaa tatacaagaa tgggggagaa gaagcttttt 180
 agatgtcctt aata 194

<210> 8364
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8364
 cgagtactaa aatatctagt tgtttgatag ataacttaa ctcattaatg atagatcgta 60
 aagatctata gtcagtctca caacagatga ggtattattt gtatgtaagt ttcagcgttt 120
 gtgattgggt tctcttttgg aataatgaga gaataaagtg tgtattcttg tgttttcctt 180
 gataaatatg cataagggga tgggggttaa cagtgttgaa tatctc 226

<210> 8365
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 8365
 tactgaaaga tatagttaaa agatcaataa cttaaatcag aattaatggt acgtaaagtc 60
 ttatgtttca catcaacaca gatgagggtat tataagtata taaaagacgg tgtgtgggga 120
 aagctagggg taagtatata aagtgagaat tcgggtggtg tggagtgagt gttgtggtat 180
 atgtgcattt gggttggggg ggtcaagtgg tgcatagagt gaggaaacca tttctgcttg 240
 gggtaatggc acatctcctt gcgcataatg gtattgaata tcatatattc tatggagaaa 300
 gaagtg 306

<210> 8366
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 8366
 gaggtactga aaagactcag tcagcccat catgactctg atgaaaagag aggatatgtt 60
 cagaactatg gtcagtatct tccctgtcta agggattata agtatcttcc cctggcagag 120
 ctgagggggc cataggtact gatctacagt gatcacagtc ttggtgtgta gagagtgatg 180
 acagctagct cgactagga gggagtgcc aagggtgaat atggtgagag aagcctgtgt 240
 gctgatggat gtttactcat ctctcggac gtggacgata ttcactatct 290

<210> 8367
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 8367
 aggtgcatat tgaggctact tagaggaatg taagacaaa tctgtgtaat aataagcatc 60
 actcagaacc aacagcgaac agatgtagtg ttgtagagtg gataagtact acaaggctca 120
 caatactacg gattattatt attaattggg ctctcgtgaat agaaagtata cggggactac 180
 ggagaaaaga ttgctactga gtcattgatta gttataagag gatgagtaac aactacaatg 240
 tgttctgact cattgtgtga cccagcacca tcaccattcc tatgcatctc 290

<210> 8368
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 8368
 taccagcaga gtcagtgggg ctagtgtgta tgtcctgtat cagtcactgg tgatgggcct 60
 acctcatagg agataaagat tttctatgta gatgcaagta aagtgagtcg gtgtagacca 120
 gaataatcct cttctaaaga agggctctatg gatgttctag ggagtatgat ctctctgatg 180
 aaagatcaat agttgtctag agtagatctt tatttcttgg gatgttgagg tgggaggatg 240
 gttagatact ataaggtagc ggttgattga gtcgagattg tgtcaatgca tcagacttgt 300
 gtgatagagt gagacacttg gtctgtttgg aatctggatg atattggctg tctctttctg 360
 atggctggtt tttctccact gtatagatca tcatgatagc atttgctga gtaatatatg 420
 atagaagcgc tgtgctggag ttggaggata gagatgaatc ggggta 466

<210> 8369
 <211> 194

<212> DNA

<213> Homo sapiens

<400> 8369

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gggaggtaaa ataagagga ggagggggtt tagggaaatt gattttagtg gggatatag      60
aaaaaaaaa atttggaggg agaagattaa agaagttgag ataaataaaa tataaataag      120
tgtattaataa agaaaataaa aaaaaatggt taaaaaaaaa agtaaaatat aaattttgaa      180
aataggtgaa tagt                                                         194

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<210> 8370

<211> 226

<212> DNA

<213> Homo sapiens

<400> 8370

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gagggtggtgg ttgaggagag gttataaggg aaaggataaa gaaaatttat tttatttata      60
aatggagtt tttcaatttt aatttggag tttagaaagg ataaaaaaaa aaaaaatgat      120
gggtataaat aaaataaaag aaaaatttag ggtaaaaaag gttggggatt ttgggatttg      180
ggtttgaggt tttgaaaaaa gggaattaa tattttttta taagat                    226

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<210> 8371

<211> 210

<212> DNA

<213> Homo sapiens

<400> 8371

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atgaacaact taaaaaaaaat acaaacctg gatcaatggg gcttctggga accgcgtatc      60
ttcccctcac ccaaggcagt gggcatgaat ctacttttaa aaaatgatta attttgcca      120
tctgagaaga aaagagccta aaattgggtg atgcaacgag aaagtgaaag tcgagggaaa      180
atgcagttta caagtctctg aatctaatg                                       210

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<210> 8372

<211> 306

<212> DNA

<213> Homo sapiens

<400> 8372

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gtacaaatct tatgtggtac ataataaaca ttgtaataa ctaacattct ttacacatct      60
tcattggcct gtcacatctat gtttctaagc caataggtga tgttttaaaa ttatgtacag      120
taggtgatgt gatataataa catgaataac atagagcctc agaattaggg agtagtgatg      180
gtgtgaaatc gattatgggc atctgtatcc catatctgta actagatatt ttttactagt      240
aattcaacat gttttgatct tgaagtatat tactatagtg ggaataaagg taataaagaa      300
aggatc                                                                    306

```

<210> 8373
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 8373
 acttttcaaat agctagttgg atagtttgaa ttgtataaca gtaatacctg gataatactt 60
 actcgtatat gcgtgattaa tacactctga atcatataga tagtgattgt atgcatgac 120
 tgcgagtcac tgggtaagag ctgaacgact atgtggacag tatgttaaac atggaaaaga 180
 tggaacacaa aagagaaaag gatcccaatg agaaaataa gaatgattat tagtattgca 240
 atgtgaaact taaaggaag aaggaaaaga taaaaacgga ttggtattac tgaatcagtt 300
 gaatagaatc ggataaaaa caagcagga tagcggatca gacatgtagt aaaagcaact 360
 cgccccgatct ggccgcaaaa agcacc 386

<210> 8374
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 8374
 atttatttca ttgctgacca ttaggttgca gcatgcaact ctcaacaatg agctgcccct 60
 ctccactcct atagaagctc caaatactat ggtaccacta ttaggtttt cagcctttca 120
 aaggctttta ttattaacat catcattaca gaataaacat tgtactacc tcagggacca 180
 aggaagtaca tagggttgtt ttcctttct taaaatagcc ccagaattat gtttgctttt 240
 tatagctttt ttaatctctc ttgtcactc ttgctattaa tgggtctct gctctggtgga 300
 ctctgcccgc cgctccacc cagactta acaacatctc accaattgca accggatcgt 360
 ggggtgggact tccgctatca ttttaggctt tactaccacc atctcctcgc gggcagtggg 420
 ggcaaccgag aagacagaat ttcacaaact ttcagctcca gcagtttcaa ggaaatgtta 480
 aatgagaaga tggaagaccg agtgtgaaga gctaagaaaa caaaaagggg 530

<210> 8375
 <211> 335
 <212> DNA
 <213> Homo sapiens

<400> 8375
 tgaagggtga gctcctggga cctcagacag atccttcct ctgatcctgc cctgtgttg 60
 gtatatctgg ggagtgtgtg gccagagaa gccagtgata tatccaggtc acacagcagg 120
 cctgggtcta gcatctgtct cctggcctcc aggccattgt actctccaca gcacaagtcc 180
 gcctctcagg ttcttttatt tacaatgaaa ccatttact acacagttat cgctgccac 240

tgggcattct ttgggcaggg agatggagtt ttgttaggtg ggctctgcat acctatggga 300
 actcagtgat gtaatgcaaa gaaaaataaa cttac 335

<210> 8376
 <211> 482
 <212> DNA
 <213> Homo sapiens

<400> 8376
 gggggggtggt ggggagacgg gggctttgga aaggaagcgc cggggagacc actggtgttt 60
 tagcgagaag gggggagcct aattcaaagc cgggggggcg gagccgataa tagggtgtgg 120
 ggggggcttt ggggattttc ggtgtggggg ggggcttcca ttttttgggg gggggggggg 180
 gggtgagcgg cgactcctcg gaaagaaaag cgggcctggc ggggggttgg ggggaggcca 240
 agtccggggg gggggggctg ctttttttcc cggggaaaat ggggtggggc aaaaaagggg 300
 gggggggggg gggcttttgc cgctggttaa tttgtttccc ttttctttta attcgcccgg 360
 gggagttttt ttttttggga gaggaggggg agtaaaaggt tatgcccagag cggcaacaaa 420
 tattttgaca gaattgcgcc gccttgctcg tgaacaaaga gaaaaagaag aagaaaaaag 480
 ac 482

<210> 8377
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 8377
 ggcccaccg cggctctctg ccacctgttg ccgtccatca cggggccacc cttcttcatc 60
 ctccgtcctg tacaatagct cagcaaagcg gctggcggac tggcccggga tctgctgctg 120
 ctccagccat ctacatgaca accagagcct gggaggagct ggatggcggc ctgggcagtt 180
 gctaagccct ggaggactac tctgtgctgg ccgagaccga ggaagacagg gcttcagcga 240
 tactcaggct ggccgacttc ggcagcgcgc cccacgactt tgagggtggct gaaggctggc 300
 atgtggacac caggaccaag aa 322

<210> 8378
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8378
 ttagtttggg tgtattttta gattatggta taataattg aaattataaa tataaataag 60
 tagttagaaa gggtttgaat taataattg gtgaacgggt ttaatcgata ggtgttgatt 120
 agatgaaagt tagtaggggtg atgtttatta tggttgatag tt 162

<210> 8379
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 8379
 aaggatgcaa ctctgtctt ggatagcact acgtcttgac cttgctcaaa acgggtgctac 60
 taaatcaagt actacacaca. aaaatgactg gcaagaggag catgtactgc tggatttata 120
 gatgatttgg aatggaattt ttacgttcta gaatccctaa cccaccagga tgctcacata 180
 tatgtttgac atgccacaag aaagacacag acaatgaaac atcttcggtg tctagaataa 240
 gaactggaac gtcgcgag 258

<210> 8380
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8380
 tattgatgag atctcccata tgatacttct cagtcatgta ccattttgga tattcgctct 60
 ttcaactgat atattgtgtc ttgtgtttgg agtgtaagtc tcagatcaga ggatctgttg 120
 agtctatagc ataaccaaaa tggagctgct aggatttatt ca 162

<210> 8381
 <211> 210
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(210)
 <223> n = A, T, C or G

<400> 8381
 gctactagtt atcctactaa gagaaaaggc aacatggaca gcttcaaatt tcgcaatgta 60
 agactagcca ttaactgggg cctggacgtg cgcggttaa ctttggacat aaccacatag 120
 cgataaattt tacgacccca gtgaaaacaa tgatttccat acccagctct tattccttca 180
 ccataaagat tctgtgtnag caatttaaaa 210

<210> 8382
 <211> 562
 <212> DNA
 <213> Homo sapiens

<400> 8382
 ccatagtccc tgcagagatg aatccagggtg gaagaatgca gaaaagcttt agaaggcata 60
 gatgagaaga ttagcaatga agtcttaaaa agctcacat catatgcaat gaggagaaaa 120

atagaagaaa ttaacaatgg gcttcataat gttgaaaaga tgttgacagca gaaaagcaaa 180
 aatattgaga aagctcacga aattcaaaag aaaatgtggg acgagttaga tctatggcat 240
 tccaaactaa atgagctgga ttctgaagtt caggacatcg ttgaacagga cccaggagag 300
 gctcaagaat ggatggataa attgatgatt cctttcaagc agtatcagca agtatcacag 360
 agagcagagt gtagaacatc acagtagaat aaggccacag ataagatgga ggaatatagt 420
 gaccttctga agagcactga gggctggata gaaaatacac gtcatttgct ggccaatcct 480
 gctgactatg aatctttggg ggcactgagt taccatggta gcgatgtgca gatggggttag 540
 gaagaatcac cagcggaagc aa 562

<210> 8383
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8383
 actggcagct acgagcaagg ccagcccgcg cagcacctag atagaaggca cgtggctgca 60
 tcccgacggt tacagcctcg cgtctttcgg gactcgcttt ctctgttcg cgagtcgtgg 120
 gctctgggcg ctttatcccg aggaatacta tgacagtgga catcaaaccg agcgctatag 180
 caaggcagaa cccgaggagg gagaaagacg ggagccggtc cttgaaagcg ccaggagaca 240
 gc 242

<210> 8384
 <211> 697
 <212> DNA
 <213> Homo sapiens

<400> 8384
 tggctgcgca ctgggctga gaaactoggc aagcgcgcag tgtcgactcc ccggctctatg 60
 ccaggcgcag ctccaggaacg aggtctcact atattgcca gactggtctc gaactcctgg 120
 gctcaaacag tccccctgcg ttggcctccc aaagtgatgg aattacaggt gtgaatcact 180
 gcatctgact atggcaagga tctctgtcac tgaggtaagt ttggcttaga gattaaagct 240
 ccttctatct tgtgatgcca ccatcacaag gttctcaagg ttgttggtggg agaagagaag 300
 gctaaaggag ctcatagaat gcctttaatg ctaatccaaa agtaaatgag aaacttagaa 360
 aaagattgcc aattccaaat caacatattt agagaaaatt ggaaaaggag aagcttacta 420
 cagctttatt tgaggacttt ttaaagaacg ctgggttcta tctgtgagct gcaaatcttg 480
 gagcaaaaac cagagacatt gccagagcaa acaagaacag aaatacaaat ggagaactgg 540
 tcaaaagaca taaccacag ttatcttgaa caagaaacta gggggataaa taaaagttcg 600

gaggcagatg aggcaatgaa tatgaattct gagaaaagta tggattggaa attcaatgaa 660
 ttaatttaat gaaattaaat gtgagaaaaa agaaagg 697

<210> 8385
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 8385
 aggtgagttg ggagtcagtt cagaaagggc agaggggtccc acaacaggac cagaacccag 60
 cgggggaacc tggagagccc cctgcgtggg ccaacttact gttccatcgc tcaccacct 120
 cgcgccaca gagagccctc ccacactgcc tggcctccct ggccaccaag gcgctgccag 180
 aagacaaggt caccagataa tctgtcctca gagagggctg agaaccacc cggggcagta 240
 tggaggaacc ctaaagaggg agaaagcaaa atgggtgaga gtccaagga gggagggaga 300
 gagagtggct gcagcgggag ctgagaggag ggaggaggct ggctgggatg cacttgtcat 360
 gggagcaggt ccagggcggg caattc 386

<210> 8386
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 8386
 gacaagcata agtacatact ggaattaaaa tactctaaga agaagaatcc taatgcatgc 60
 caaataagtt ctaaataatgc taaaccagcc ttcaataaag ccatatgacc aactgataac 120
 aacaatctaa atactataca aggtaactgg cgcaagattt gatggagaaa agaccttcac 180
 atcaccacct cagtccttca caggccaggt cctcctctct ctgagacagt agggtgaac 240
 ccggggacac ccagagccc tgtaacacgc agccagcagt ctgctgagct cgttgtgcag 300
 acgacaaagg gaacacagaa cttgggtctc aggggctggg caggcagatc caagcatgag 360
 caattagatc aaaatagaag ccttgtttca aagaaaaaa ttgtattctt ctaagtga 418

<210> 8387
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 8387
 ctgatggcgg tagcagcgcc cagtcgagca cggggcagcg gctgccgggc agggctctggt 60
 gcgcgagggg ctggggcgga aggtcgagag ggcgaggact gtggcaaggt ggggctgctg 120
 ctggagccct catttgagat cgatgacagt gacaacttac ggaagcgggg atcaatgatc 180
 tggacacagc aggatggtac cttgtccctg tcacagcggc agatcagcga ggaggagcgg 240

ggccgactcc gggatgtggc agccctgaat ggcattgaca gggccggat cgaaaggcga 300
 accggggcac ctggatggac tgcaagctgg tggctatgtc tcaactctaa gtcaatgcgt 360
 gacccccgct 370

<210> 8388
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8388
 tactcgaatc gttgtgattg ttggctgaat gtttcaggct atatatgtaa gagatagtac 60
 .atacatgtct tattcttaac tccaagaatg cgtacttttag gtgagggtat tatgaatatg 120
 .attaatccac catgtaatca tgactatctt agggtcatta ttggcgggta tgggtgatcc 180
 .atagtatcct ctagcttctg gcaaatgatg gtgactgctg tatcta 226

<210> 8389
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 8389
 aatgatgttg gattatgttg cctgagatag caacagaggg ataggtgggg cgtaaggaa 60
 ggtgtatgat cttttcgcta tggcggttac cagtaatc caggatccta ttatcgagtc 120
 .actcgtctac atatgtggct gagggcaatg ctgtaatgtg aaattcgact gtatgggtgt 180
 .aagataccat atgcctgcgg taacccttcg atatactctg gaatagtact gatttggttc 240
 .gtttttcaaa ggtagagctt gactcgacga accc 274

<210> 8390
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8390
 gtatcgtgat tgtgaacaga ttatgggtgca agtgttattg aagaatccaa gtgaagtaag 60
 .ggacaggcgg tgtatcactc aaaccagtgg gataacacag gtaccacact acatattcct 120
 .tccgtaggct ggatacacca tgagtcttgt catagaacag cc 162

<210> 8391
 <211> 194
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(194)
 <223> n = A, T, C or G

<400> 8391
 atgtctgtcg tctccataca tactgggggtg tacagtagat gtgatgtcag actcangatg 60
 gttatgtagt ataagactgt ttaaacctgc tgccatttga ttgacttcaa cagaanagta 120
 gtactcccac tatcggatag tttcagtgag tgataatagc tggctcggat agatgtcatg 180
 gattcatccc agtc 194

<210> 8392
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8392
 ataaaaatgaa tggataagag tgtggataaa ctaagaagga aggagagggg aaagagatga 60
 agaagattag tgatggggat aggggattga aattattaga aatgaaagag gaatagaaa 120
 aaaagtgaag gtattaagat tgagttgata aagtaaaagg aa 162

<210> 8393
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 8393
 agtggttagat ttaaggtatc ttatgaacag aagtaaatta gattgatagg aaagaaatag 60
 taatggagtt tgagtaaaga aatgaatga tgtaataaaa aaagtaaaaa ttgttgaaaa 120
 tgtgaaagggt gagagtgtta taatggggaa tgtagatata gaggtaattt aatattggat 180
 tagagtatta gatataaaaa atgaagtga atgaaaatta tatattaata ataggtgata 240
 atggtatgta tttgttat 258

<210> 8394
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8394
 ggtttggaca cctggggggg cccaaacaca gggacaaaca ttgtgtgagg ctgtcgcttg 60
 aagaaaagca aaatctaccg ggagggctgc ggcgagggcc ctcaaaaagg gggggcaaaa 120
 caactttatt ttaatagggg gtattggccg gggggtgggc ttactcgagg tgatcttggc 180
 cccgccccca cccgggatgg gccttaaate cataaatggc ctggcctttt tattgcggtc 240
 ct 242

<210> 8395
 <211> 386

<212> DNA
 <213> Homo sapiens

<400> 8395
 tggaggaacc tcaggaaact cgccccgaggt cacagagtgg gtaatggaga cagcaaacat 60
 gtgccgacca cttagtgcac accagggtcc taagggctct tcagaaccct gaaataatcc 120
 tgtggagcag atgtgatata gaccctgatt tcaaatgagg ggatttgggc tgaggggtgt 180
 tacgggactt gcctgagggt aactgaggtg acaagcacca gagccaggat tcgaaccaag 240
 gccatcgggg tcacaggcac acactacccc ccttcctctg ctggctctga caactcaaac 300
 cgggctgcag catgggtgtg ctctttccac caagggaccc ctgggggtggg gctgtttggc 360
 ctctattacc gtccttatt tcttat 386

<210> 8396
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 8396
 ggtttggcgc atggataatg agctggacct acatgatgaa tagaagcagg gatgatatga 60
 taaaagacgc tgggctttta ttgatctggg gtcctttcc cgggggagtc cggtgagtcc 120
 ctttccaggt gggtttgac tcacacgagt gggcgggatt atcatccaca agctggccaa 180
 gccctacct gtgggaggct tgatggcagg gcaccatggc tgaatacac gcttggggga 240
 acagatcaag aaagaaacta cgcacaaaaa gtgagcgggg catgcacca 290

<210> 8397
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8397
 tgcacccctg aacacctgtc tgggggcggg ggggtgggtggg ggagggagac ctgagccgag 60
 ggactctgac gagatttggg gatgtcctac gggcaggagt cattgtatgg ggggtgtggg 120
 acagtgccta gaccacaggg cacggcctac tcagaagggtg ga 162

<210> 8398
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8398
 gaagagccct ctgctggcca accctgttgg aagaggacac tggggatggg agtggcgagg 60
 tgcagggccg accggagaca ccggcagaag aagagatgga gacagacacg gaggccggag 120
 tgtctgcgga aaaggagggg gatgacacag gtgccctgct ggcccacttg atcgactgag 180

cccctgatga tgagaagcca gcacctccca tgagaccga ctccta 226

<210> 8399
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8399
 accaaacaaa ctacaaaagg actcatacgc tactagccgt gagagtctct cttgctgtgt 60
 tgacgatgac gagtgggtgt ttctgaacct gattgacatt gatgaaaacg gatgcatgta 120
 ccataatgcg tctacctgac atgtgggttg cgagcacata ga 162

<210> 8400
 <211> 354
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(354)
 <223> n = A, C, T or G

<400> 8400
 ggaagcccgt aagtccaata tagcagatgt cagcagacc agctttgcct gcaagctgaa 60
 agaggagacc cttccttgcct tgtgtctagc ttctgggtgat cgtcagctgt cctcgggatc 120
 ctgnggttcg cggcacgtca tgaccatctt ggctgctggc accgcggggc atcctcctgg 180
 gtcttcacac tgccttcctt ccgcgtgtot caggtcttaa attagccctc tactaataag 240
 gatgccaatc actggattag ggttcacatc attctagtac aaattcatct tatatatgat 300
 tacatactgc aaagatccta tttacaaata aagattaatt aataggtccc aagg 354

<210> 8401
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8401
 aaactaaaag ataactcgcg agggaaacca ccaaaccac aaccctaagg gcaactgatgc 60
 aaccctcaa gaattgtagt gggaacacag gtcactgcca ccaattctcg ttgaaacatg 120
 actcttcac tttatggaatt catatatata ttctgcaagg acgaggcagc gaaatgtggg 180
 aagtgacgac actgatgggg aacctggga ctgaggtcac ggagca 226

<210> 8402
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 8402
 gccgcccctg gcgaactcca ttgtcggggg gcctctacca gccgcccctg gcgaactcca 60
 ttgtcggggg gcctctacca gccgcccctg gcgaactcca ttgtcggggg gcctctacca 120
 gccgcccctg gcgaactcca ttgtcggggg gcctctacca gccgcccctg gcgaactcca 180
 ttgtcggggg gcctctacca gccgcccctg gcgaactcca ttgtcggggg ggctctacga 240
 gccgcccctg gcgaactcca ttactggggg ggcgttacga gccgcccctg gtgaactcca 300
 ttgtcggggg ggccgataa accgtcccgg tgaacttcat tggaggagg cctctataac 360
 caaccctgg cataattcaa ggctta 386

<210> 8403
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 8403
 ccgaaaggc ccgacactgg ggaagctggc gaacgctaac cgggaggttt ttctccaga 60
 cttgattccg ggatgttgag atcgttattc gaaatagact aacattcgaa tcgcctgtga 120
 tggaaggagt ttctgcaccc gtagcctggc ctcatattt ctgcaaatgt ttattgggtc 180
 cttgcccttt acaagatcct gtgctgtgag caagaacaag gctttcatgt ggaaataagc 240
 cggcctttgg ttgaccaaac cgaaactcct ctgaatggaa aatcaagaaa aatttgaaa 300
 aaataataaa atgttcaatg aaatggatat aaatattttc ttgtttaagt aggc 354

<210> 8404
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 8404
 acagaacgag actcgtctt aaaaacaaca gcaacaaca aaagatcttg atgcctctga 60
 tggagctgaa catttattat acagcaacag cagcaaggat tgctggtggg cagactacac 120
 tgtagggcac ctgctcttct gtaagaatct gaaagacact attgtcagag ctctgccctt 180
 ttggaatgaa gaaataatc cccacatcca ggaagggaaa caggtgttgg gtgagggctc 240
 tggcagcagc ttttctggca cagtcgagcc ttgggagggt ctcccggcaa gggccatcat 300
 ggagctgagc ctgcccactg ggtttcccat tgtctatgaa ttgtacaaga agaggctgaa 360
 gccattgaa gctcatgcag gtcccaggag aagaaaaagg tg 402

<210> 8405
 <211> 450
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(450)
 <223> n = A, T, C or G

<400> 8405
 gtgtctngac accctccana ancaccagga gnagaaacag ctttccttgg ctttcccagc 60
 caaatctccc tctgcctctc tcccctgggtg acgacaatgg ctggggctctt gacttgccaa 120
 gatctggaaa cggagaaaagg actggatctc caaacttggga ctgccttggga ctgaccctgg 180
 cctgggaagt gtgggctcan gactccgagc tcaagtcagt ctgttcccc aacccccaac 240
 ccactgcac cgggtgagga agtgggcgag agcggccacag cgcacatagg ggtgttagga 300
 gcgaaagact ggagacccaa ggactgtggg gctgggggtgg tgggggcaact gctaccgact 360
 aaacaagtgc gggcgggctg gaaaaacgaa gggggattcg gtgatggggg aagccaaggg 420
 acaagggaaa aaggaaaggg cgcattcttg 450

<210> 8406
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 8406
 ttctcttctg taccttccct gcacagcctc ctccccagcc tggatccaca gccaccatcc 60
 catcacttgc ctgctgcaag taccctcagc actgcgccacc tctctcccag ctggcagaaa 120
 ccagccctgg ggaatccaac tcttggactt ctctacacct gcacacaggt tggcaggagt 180
 tgccagaggt cttggcacag cagcctggct ggaatcacag agcaatcctc aaccttggcc 240
 aggccctcac tgcccactg gcaaatcctc aagtgtgacc ctagtcatct ttctcctttt 300
 ggggtgttcc agactttctc cacaagtctc agacaagctc aagtcactcc cacatgaaaa 360
 ataaaaacgg gctgggtgtg gggggctatg cctataatc caacctaata aatggtaatg 420
 gaagaattcc tgggaaaaaa aatcttaaat 450

<210> 8407
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 8407
 gacaggacga gactccgtct taaaaaacac agcaacaaca aaaagatctt gatgcctctg 60
 atggagctga acatttatta tacagcaaca gcagcaagga ttgctgttgg gcagactaca 120
 ctgtagggca cctgctcttc tgtaagagtc tgaaggacac tattgtcaga gctctgcctt 180
 tttggaatga agaaataatt cccagatcc aggaggggaa acaggtgttg gttgaggctc 240

ctggcagcag cttttctggc acagtcgagc cttgggaggc tctcccggaa ggggccatca 300
 tggagctgag cctgcccact ggtattccca ttgtctatga attgaacagg aggagcttga 360
 agcccattga gctcatgcag ttcccaagag acgaaaaagc tgtgcataaa gccatggaag 420
 cgtggccttc ttagggcagg ggcggagcgt gaaaggcggc agccgggtccc tatectgaca 480
 acaccctccc aatctgcccc attcctctat gcctctcacc tcaacgtgtc 530

<210> 8408
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8408
 ctcttcttgg ctgcagccaa gattctgggg gctgggggtgg cgggtggagg tggggtagga 60
 gggataggaa aggcaccggg acaggcacgc gaaggagggg gccgcggaac aaactgtcgg 120
 tttcagcagg cccccacgaa accgcaagat ctgcaacaac gatacacagc aagccaaccg 180
 acgcaggcag agga 194

<210> 8409
 <211> 562
 <212> DNA
 <213> Homo sapiens

<400> 8409
 ctcttcttgc attgtctgtg gtgtgacat agcagattat atttggttcc tgaatgtttg 60
 tgggtgctaat ttctgtgttt gttccaagcc gttcagtcac gccatgcgct gcctcggtag 120
 atggagtaat gtacaatgaa ctccatgagt ctctccaggg ctgcctgcag cacgtctttt 180
 ccaagtagcc tatttgatt cccatctcaa atgtcctgga tgcgagcgtc agcggctcca 240
 gagctcgggg cgggtgaggt cccctttggg gaaccctttc ctggccatcg aggtcggggg 300
 gctgccgtct gtgggcagga ggaccgagg ggcagccagg aaaggcgatc tcttactgt 360
 gaaaagtgc ccgggtgcag cgccttttcc ttctaccatg ggaaatgcag gctgggccct 420
 tggggtgagc ctgcggggct ctggtgctgt ccccgacccc caccaccaac agaatgcagc 480
 tccagcttaa ggaagcccaa acaagccacc cagggagaac aaaacaccgc cagcgtggat 540
 tttccaaatt tcctgggaa ga 562

<210> 8410
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 8410
 atttttaaac atccaaatat ctgtaacatc tgttataaca cttgacatat gcaggatcaat 60

aaattaaact attgctttgg gagaaatgtg cctgaattgt tcactataag tctctgccgg 120
 gagttattca ttcaagtaaa caaaagatgg cctatctctg aaaattaaca atgcgtagac 180
 tggactgtaa gtcgtgattc cgtatcttct cgagttacta gtcctcatcat tagcaacatg 240
 agaatgtgca atgccacat gttgaagtat gattaatcaa catcttttct gaaacaaaga 300
 tttttttcc cccattgcag aatttgatac aagaggtatt ctggttcctt ggggggctga 360
 aaaaatctgg tttacgctgg ttggaaccgg ggaatcttct ggggttaagc tttttgctgg 420
 gactaaaatc aaaactgcac tgcagagcag gtgagggttc atgcgcgcgc gccacaaaac 480
 acacatatag agaattaa aaccatttgc catccatag ggaatattta 530

<210> 8411
 <211> 472
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(472)
 <223> n = A, C, T or G

<400> 8411
 gtggagtgta ttgtagcatg agattaaggt tttggcacat ggggtggagt ggggaccgaa 60
 tgggatatct cagttttctg ttgaagccta ctatagacgt tcctgtcatc gttcactct 120
 ctctcacgtg cgcactgcca cgtgtgatta gtatgtgaat accaccggtg tatgggattc 180
 aatggatatg cttgacgtta ggaagagat acttatagta atggggagtg gacaggggat 240
 cttaatgatg cgagcctgcc aggcgggaag cgggcagact tgcgggttct tcatgaatgc 300
 agaggggtgtt gggattgggg ggcttactgc cgcgactgtc tatgggaatc ccatgagctg 360
 gcctctactg atggaatatg ctgtaaagaa tgacggggta tggggatggg tanagtttga 420
 aatttgaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaag ca 472

<210> 8412
 <211> 854
 <212> DNA
 <213> Homo sapiens

<400> 8412
 tcacctgtct tctaattaga gcctcttact catctgtagc acgagtcatt tattttgtct 60
 agtaciaaaga atatttcgaa tactcatgac taaagagctc aggagttcta gctaaagaag 120
 aatcttgaag cattggagtt ttgaaaatct gcataaagat tttgaagatt ttttaaagat 180
 tcatattata acagtatacc gttggtctaa tttttcttaa tctactaaaa acgaaatagc 240
 acaggtcaga tgtgacttgc ttgctttctg ctctgtaca atccaggagt gttaatcaaa 300

aagcaaaatt tgtgacatca gttttatttc catggctact gattgtaata ttacaaacat 360
 gagattactg gctagttcat catgaagggt aaagaagatt cctccttga taggatctcc 420
 aaaaccaaca ccaaggggaa tattatcaga gctgcttcca gcagcgtgtc ctttcaaaaa 480
 tgttctcatt attctgagag ctttgtttta ttttgtgagg gtttttatca tttgttgtg 540
 gtggttaata ttttaatttt atgtgcttgt ttgttttatt tattcctcca cccccagtga 600
 cccgtgtaga aaatgggtat tttagatggt agaagcccct ctgttaaaga gccagttctg 660
 ccttcgttta attcttcttc cacaaataag atttattttg gaacttcagt caaaaacatc 720
 tgtactttgt aacagacaaa catctgcctt cctaccagag ctgctggcct tgctgatggt 780
 agataaatgc attttgttct ttgaagcccc tcatagagaa gagactgtac cataagagaa 840
 gccactcat tttg 854

<210> 8413
 <211> 594
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(594)
 <223> n = A, T, C or G

<400> 8413
 tggctcctna gacttgttac ctcaagtaga gatggtgggt ggacaacccc attcccatgc 60
 caggcattct ctccactcat caaaccacag tcttctgctc tgttttctgt ttgttttgtt 120
 ttgttttttt gagacgtagc ctgggcaaca gagtgagact ctgtctcaat aaaaacaaaa 180
 catacaacta cttttgctgg atgctgtggt ttactgttgt gttgttttgg atctaacacg 240
 ccctccagtt tattcactct tagccagttt ttccagccat atcttttctt tgaatatgtc 300
 cagacaatat ttcatggatc aaaatattaa caaggataag atgaaaatga taaaaccttg 360
 tgcttttcat tttcctacac agttttctgc atgtatcttg tataactaca taaggatgt 420
 tagctaaaaa aaataaaagt gtgtgtttgc agggaagcgg aggcgggggc gcgctggtgc 480
 tgagtggagt cacagtaagg ctgtagatgg agcgccttgg gaagggtggt ttttttgggg 540
 gtttgctcac cccggggaag gaggagtgag ggtttgagga tgggtggagg ggta 594

<210> 8414
 <211> 162
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)..(162)
 <223> n = A, C, T or G

<400> 8414
 ttgntgggtga tctacattag aggggtaata ttattatatt ttcattcttc tgttatggaa 60
 atgtaaatta ttttactatg tttcttttta tgagcattgt aaagatttta tgaatggtat 120
 tattcatgta tgtttatgtc tatattgaga tagtatggtg gt 162

<210> 8415
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 8415
 ggtaatatgt tggatgagac ttacatagaa ggggtatatt ttgataaata ctttctaccg 60
 aatggaaga gtaaataatata ataacttgaa acattttatg agcattgaag acattaaatg 120
 aatgatatta ttctacatg tttatcgcta tctgagatg agttggtatg ggtatggtac 180
 agtagtaaca cttctgaata aataattgca gcattctacc atttaggttt ataggaata 240
 gctatggagg gacggacact cttgacatga aactataaa aggacagcgt gagagactaa 300
 aaactacagg ctttctctc tcaagaacat agatagatga actttaaaca taatgcttg 360
 taactttatc ctagcgacag attaaaagcg ctttgggccc tccatctttt tttggtggtg 420
 gggctattgt tgccggtggt gtaggcagca acccagtctc cttctg 466

<210> 8416
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8416
 aataggcagg ttatgtggct tattactggt gagcgaataa tgtaaacgat gagcgaggcc 60
 ggggtgcagg ctctgcaggg ctactggtga ggcacagagt acaaattgac atttcactat 120
 gtttgtgtgg gcagacactt ggaaggtgtc tcaccgctgc acgagtggtga aggctgtgca 180
 tagatcattc tggcgctcctg tgtgagagc agcctaattgc tcacgg 226

<210> 8417
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 8417
 acatgggtga aagaacatct atttagtgtg gagcagataa cagccatggt gtttgactaa 60
 acgtgaagga aaactgcgtg gaaaacagcc ctcaagaaa cccagtaaca gcattgtggt 120

tatttttcagg tccccttctt ttctttttaca ggatgctgga gaaggcgatc ctgtgttaag 180
 atgcctgcac aagatttggg ggccttaaac tgttttaaga cttatgaaat gacaatgaca 240
 gcctgttgct ttggaattac gggattttta taag 274

<210> 8418
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 8418
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
 tttttttttt tttttttttt ttttttttgg ggaggggggtg gttttttggg gggtttaggg 120
 ggaaaagggg gggggatttt tttttaaggt ttttttttga aggggggggt tattaanaat 180
 ttgaaaaggg gggaaagagg gtaaaaaaat gaaatttaa aattttttta acaaatattg 240
 gtggggccgg ggcggggggg gggggggggg gcccgaagt gacaggagtg 290

<210> 8419
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8419
 gggggaaatt ctgagcctgt cagtttggaa ttgaggttg acttgtgga ggtggacttc 60
 ttgtgtattt gctgctgctg cttcatgctg gtttgtgtgg gctacctggt tgattatctt 120
 gcatgggtgg gtgttgttgg tggatttgg gatcacgggg tg 162

<210> 8420
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 8420
 attatgaaa catgaagcta tttaggggtt tttttcccat aaaggaatgg aaaagtaatc 60
 cttttttatt ggaaaaagac cattatttta aaaatttatt gtttttctgt gtataagaac 120
 atcagttaca aatgaaatgt tatcaaatta atacctatg cttactaagt ccaccttctg 180
 gtccttattt acaaaaaggg gccattggcc 210

<210> 8421
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8421
 attatgaaa catgaagcta tttaggggtt tttttcccc taaaggaat ggataagtaa 60
 tcttttttat ggaaaaagac aattatttat aaaataaatt gttttttgtg ttatagtaac 120

atccagttta ccaatgtaaa tgtatatcca atataattat cctatgcocct tatcacagct 180
 ctactctctc tggttcttca tacacaaata gtggctattg gttatccttt tgtcatctca 240
 ac 242

<210> 8422
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8422
 gccgggtcag ggtacacctc acctacccca cctccagtc atttcatttt aagttcatac 60
 ccaaactata agaataatgta ataaataaaa ttcagcaagt tgtattttac ctttaaaaat 120
 acacctatct tcccactttt tgtaagta ttttaacat ttttatgta tattatttcc 180
 tatcagtggg gaag 194

<210> 8423
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 8423
 cgacctttat aaaataacga ctaaacctt gttgtggaat tatggtatat agctctaaag 60
 aaaaaattaa tctgggatta tatttagagt tagtagagaa gaataataga aattttactt 120
 tacataacta taaaacatgg tctattatta atataaggac taaaagcttt cttggtggat 180
 cttcaacaat ttaattctgc actttatata 210

<210> 8424
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 8424
 gagtactgt attatgggaa aacatgtaag gctatttagg gggttctttt cccccctaaa 60
 gggaaatggaa aagttaatcc tttttttatg ggaaaaaagc acaatttatt taaaaaaaaat 120
 aaattggttt ttgtgtgta taagaaacac ccagcttacc aatgtaaag tttattcaaa 180
 taaataatct atgccttagg aaaggctac ctttctggtt cttattaaac caaaaagtgg 240
 gcattgggtt tccctttggt aacttaaccg ccaggggttc catttgggaa atccacccaa 300
 tcaagtatgg taggtctggt gt 322

<210> 8425
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8425
 tggaccggag gtaccagggt aggtagctag atgctgcttc cttagcatcc cacctgcagc 60
 cttgacaagc ttcaactatc cagcagctcc tatacaca accgcaccta cacgctggct 120
 aaggaagta gcttggtga taacaacaca gacgaacgaa tcaacgggga gaaaccgatc 180
 catggagcta ggtc 194

<210> 8426
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 8426
 gtacaagctt tttttttttt tttttttttt tttttttttc tttttttttt tttttttttt 60
 tttttttttt tttttttttt tttttttttt tttttaaaaa aaaacaaaaa acaaaggaaa 120
 ttaatggggg gaaggggaaa aacggggaaa aaggggggaa aaaaggggga aaaaaaggga 180
 aaaaaaaaaa aaacaaaaaa tcgccccggg gaccaaaggg ggaggggggg ggaaaaaaaa 240
 aaaacggaaa aaaacccaaa accaaaaaaaa ccgggaaaaa aaaaaaaaaa gcctccctct 300
 ttcaaaaaaa agggggggga cggggcgggg ggaaaaaaaa acaaaaaaat aaggggggcc 360
 cgggaaatat caaagggaaa aatcccacaa caaaacaaac cc 402

<210> 8427
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 8427
 agcttttttt tttttttttt tttttttttt ttgtcttttt tttttttttt tttttttttt 60
 tttttttttt tttttttttt aaatcaatta aagaattatg aaatttattt ggggtacagg 120
 aataaccggg gcaaaatggt gggaaaagtt ggtaaaacaa gtttacatta aatttactta 180
 caattacggt ggggtacatt tttggaaggg gtgggttttt aaaaaaactg gcttaaaatc 240
 ccaaccttaa atattttgga aattaaatca ttagcttttc ttttttttta ttaaggaggg 300
 gggcttgctt ttgggtttat ttaactttta cattaatggg gcacttggtt atcttatggg 360
 ataattcttt ttctcattta agcctcccca caaccttggga aagggattac cccattttta 420
 tgggggggaga aacaggctta gaaggggaaa 450

<210> 8428
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8428

ggcagaacga tctgcactct ttgtttaggc atgttggctt gacaattaat aactttcatc 60
 tgacttttat aaggaaacgg acatgcttgg aggctgagga tgcttaatgg aatgataaca 120
 acacagacgt gggatatatt gatgtgacag tgattgacat attcagtctg tacgagatct 180
 gatgattgaa tgag 194

<210> 8429
 <211> 354
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(354)
 <223> n = A, T, C or G

<400> 8429
 tctgactatg gaaacatgaa gatattttacg ggtgtatgcc actaagagga gaggaaagaa 60
 atatttttta taggaacaat accataatca aaaaaaaaaa ttgtttattg tgtataaaac 120
 acaagccaca acgaaatgac atgaaaaaat atttatgatt angaaagga atgttttggg 180
 tttataaaca aaagtggcat tggtttactt tgtaagtaac gaaggggttc atttggaatg 240
 cagcgataat gatggagtat ggtttaccat attttttttag gtaaaaaaaaa aatgctctg 300
 ggcatataat ggttatTTTTT aacggggaaa ggggggtagt tattaatTTTT tttta 354

<210> 8430
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8430
 ttacatatgt tgtagcata agacactggc gatgtaactg ctctaaacaa aacaccgaaa 60
 gttgtcctat gcaatatata ttattatata catatatata tttacataaa atactaaaaa 120
 agtgaaagcc aataataaca ttggataaaa gtaatacata tctgctaagt gacaatatca 180
 aaaaaatcaa ggaataatTTT tacaataata taaataaaaa gaatgt 226

<210> 8431
 <211> 498
 <212> DNA
 <213> Homo sapiens

<400> 8431
 cccccccctt tttttttttt tttttttttt ttttttaaaa aaaaaaaaaa atcatgagaa 60
 atatttgggg acagagaaaa acagggacaa aaagtggaga aaagaggtga aaaaaaattt 120
 acataaaata tacaataaaaa tacgtgtggg gacatatTTTg taagggaggg ggTTTTtaaaa 180

aaaacgggta aaaaaacaaa acttaaatat ttgcaaaaa aaaaaatfff cttttttttt 240
 ttttaaaaaa ggggggggag tattttttgg gttaaaaata atataaaata aaagtggaac 300
 ttgagtattt tatggaaaaa ttttctattt cttttataacc tcacaccacc cttgggaagg 360
 gttataccca ttttttgggg gaaaaaacag gggtaaaaga ggggaagggg atatfffgtg 420
 cgcgcaaacg ctttatgggg ggaagatttg gtaattgaac ctataattgg ggcttctfff 480
 taaatataaa atatfff 498

<210> 8432
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8432
 gctcactgta gctacagcat agcagaccag tagagccaga gaccctccat tcaacacata 60
 atgggaacct tctccttat aaaggcggca ggcgccacct tcaagaagcg aaaaacctaa 120
 cgcgacgcaa aagttatcac actaaacagg acaacctccc gactccactt tgcccact 178

<210> 8433
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 8433
 actgattgtg gcaagcatga gctatattag gggacttgtc aaatagagga gtggaatgtg 60
 gtaaaaatga tggaaaaaga caagtgcata aaaaggaaaa tggcgtgtgt gtgtagaaca 120
 ccagatacaa tgaaacgtca tgcataaata tctatgctta gaaagcatac ctcatggta 180
 tatgaacaaa agaggcattg gtgtaacttt gagaagaacg cgggggctga tctggaacac 240
 gagaatcatg agggggacag gaaacccatc ttgactatgg ggaatgaaca tagctgagac 300
 ggagcc 306

<210> 8434
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8434
 cggagtatgg agaaatgaag ctatgtatgt gattgatccc ctaaaagaat ggaaagtat 60
 ctttagtatg gaacaacaca attatagag aaagaaaatt gtagtctgtg tcttcaatac 120
 cattatagat gtagagatgc gtatcaatag aatattgtat gcgttagaag agaaatacct 180
 acattggacc ttat 194

<210> 8435

<211> 514
 <212> DNA
 <213> Homo sapiens

<400> 8435
 gcacgattgt acatgcgtgg cgccaatcaa caatatataa caccgaccgaa aattattggt 60
 gcatgatgca tgtttgtgtg gttgctcaca ctgcaaagga ctgtataata ggggatgaaa 120
 cggtgctgcg gtgacatgat gatggatcgt ggtgatatgc atgattgacg agctgacact 180
 aaccatagaa gatgtggtga tggattaata tgataagtca cagacaaaga tgcaggacgt 240
 ggtgcccgac aatgccagct atgacagegc gctcatgacg tgtcatatca agggatgatga 300
 cagtgatagc cagagggatg ctggatagca gatggaggca gggacaattg tggaatagga 360
 gtggagagag catagcagta ggagaactgg agaagctgcg gtgtgtctct gagtgcagct 420
 ggaacttggg caagagatta ggcgtgaggt gaacatcata ccacctgccc ccgccagacg 480
 tgacaatgat aagccacaat gcgtatgctc tcca 514

<210> 8436
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 8436
 acaagctttt tttttttttt tttttttttt ttttttggtt ttaaagtta ataataaaaa 60
 cacatggaat aaagggggta atccatgtat tggaaacagc agaaaaagga ggaaagggga 120
 ccatcccat aggggacact aatctttggg gtaactaaa ataaataagg gaaataacac 180
 ttaatacaat aataaagaaa aaaaaaaaaa ttacattaaa aaaaaaaca ggaacggggg 240
 aaaggagccc gggattggga ggaaaggcgg tgcattgaaa agaactcagg ttcaggggac 300
 cttctggaa acattctggt gt 322

<210> 8437
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 8437
 caagcttttt tttttttttt tttttttttt tttgggtta ataataaaaa cacttggaa 60
 taacggggta atccaggtat tggcaacagc aaaaaaaaaa ggaaagggga ccatcccaaa 120
 aggggacact tctccttggg ctaaattaat ataaataagg gaaataacac ctaataaaat 180
 aatacagcaa ataaaaaaaa ttacattaaa aaaaaaaca ggaacggcgg aaaggagtcc 240
 ggagtatggg ggaaaggcgg gtaagggaaa agcatccagg ctcaggggac cttccctgaa 300
 aacttccggg ttctgagcag ctcaactcag tcccaggcat aacacgtacc ccgg 354

<210> 8438
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 8438
 acctcaaaact cagagtttct tcccttcttt gattttctgg aggacctgca gctggccttc 60
 ctgagacagg ctccattcct gttccatttg ccttcccggc agccttcctt ttagtgggta 120
 taggttttga cgttctgagt tactttgtat caaagagcta attaaaaatg gtccttcaaa 180
 aacataaaga aaaacagctt gaaaaatgta cctgcccggg cggggggggg aggggggggg 240
 gagaaggggg ggggggggc 258

<210> 8439
 <211> 290
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(290)
 <223> n = A, T, C or G

<400> 8439
 tgtggtcagg cttatgaata tgctcangtt taatgagatg ctctgttgta atgtgatagg 60
 ctgtggaaac aacaatgagt ggaatgacat caatgatgcc aatgaaattg agcatgtcaa 120
 ctagcgcattg aaaaatgggc atgatcatca aagatgggtg gacgggtccat aagcgtgcca 180
 cgggccatac aaggactttg tgccggaaga acggttggga catggggata ggtaagcaga 240
 tgggcatatg tgaggggaac ggtatcttgg ctgctgacat cgcgatcgct 290

<210> 8440
 <211> 434
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(434)
 <223> n = A, C, T or G

<400> 8440
 ggtcggccng ggtcaagcct gcgtatcaga atctgagaca gcgtgttggc aactttgttg 60
 caaatcactt ggcaactcac acatggagtc cgcattctca taagaaccag ctaagaaca 120
 acattaaaca acaagtcctc aaatcaggaa tgttggagtc tggattgac cgaattattt 180
 ctcaggttgt ggacccaaag atcaaccaca cattcagacc tcaagtagag aaagctgtgc 240

atgagttttt ggccacgcta aatcacaaag aagaaagaag tggcaacaca gctccccgatg 300
 atgagaaaac agacacttcc cttattacac aagggtgtcc tactcctggg cccagtgcta 360
 atgtaaccaa tgatgccatg tcgatattgg aaaccataac ttctcttaac caagaaaaca 420
 aggctgctaa ggct 434

<210> 8441
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 8441
 gacgggctcc acaacaatc acgggtgtggc aactcaaac tcacctacgc agaacctaaa 60
 gcgggtgtgtg aatttgaacg cggacatatg tcatattaga atgaaatata ggcattctga 120
 aaaattgtat ttctatgtgt agagatgaag gaaggatggg tataggctta gcttgatact 180
 gcaaatataa accagggatg ggggttagga attgtaaaaa caggatgat ctgattattg 240
 taattcataa cattaggaga gagataacgg actaatattg cttcaacaga taaaccaag 300
 aaagaaggag tgccataaca tatactctgc acacaatggg acctacagct tattaactg 360
 attttctttg tgctatatct gctaaatatt tgttgataaa tgtccacttg ttggtctccc 420
 atactgtacg aatgaaacct caatttacag 450

<210> 8442
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 8442
 ggacgtgtac ttgagaaaag aagagtaata atgaatataa cttaatcaat aaaaaaaca 60
 aggtatttaa aaaaagaaag gaattaagag aaaatctgaa tagatgtatg caagtgtaag 120
 cttaataatg attagagtat tatttggata actaaataat aatgaatgaa gcagagactg 180
 aataataaaa taattaggag tagactaagg 210

<210> 8443
 <211> 434
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(434)
 <223> n = A, C, T or G

<400> 8443
 gtaccggcct gaagataaaa tgaatgaaat aatgaatagg catatcaat gatatatagt 60

aatatacgtg ggagcaacta gcaatgctga taaccttgaa tgatgacaaa acaaaattgg 120
taaaatagaa gaataaatta ccaatacaat atactagaca ttgttaaacc acaatgggat 180
agtgaatgca agaattatga gtgaaacaca cagtgaatag agaagcgaga tacgacatat 240
gaaaagacag tgtaattctg atggtnngta atgggtgggtg ggataagact ctatgatcac 300
atagctgaca aggcgataat aatgatcaa aaaacatatg gttggagacc atgcgctggg 360
gactttttct gtaggatatg ggagtggaca atctaggtcg ccaccgct aatcactaat 420
gtattcgcg cgc 434

<210> 8444
<211> 162
<212> DNA
<213> Homo sapiens

<400> 8444
acgtgtactt gaaaaaagaa gattataaat aagtataact taattattaa aaaatacaag 60
ggattaaatg aaagagagta gaaaggaaaa attggaatag atgtagacaa gattgatggt 120
aataattgat tagagtatta tttgtataga aaattataat ga 162

<210> 8445
<211> 226
<212> DNA
<213> Homo sapiens

<400> 8445
gacgtgcaca cctgaataaa ttgtatgcta tactaacttg ccaagattac cacaaacatta 60
aaaacatatg tatacattaa tgttctggca gtggactatg agaaaaaac tgaatgaat 120
acagtgatgc atgtagaaca tgtcatgtgc aaactggagt ggatggtgag gacggagcaa 180
tgagaatctg aaaactcaca gggatgaaaa aaataaacga tactta 226

<210> 8446
<211> 242
<212> DNA
<213> Homo sapiens

<400> 8446
gagtgacaaa caaaaaagaa gtgtataaaa aaatattgca tgatttatta aaaataaaaa 60
atattagaaa aaaaaaagaa ttaaataaga atttgataaa ataaatacaa gaatacttag 120
acatatgata aaaatatgat tgttctacta cattctaatt aagaaaggag attgagagat 180
aaataaagaa ttaagagtag tgaaagagta atgagtaaga gtatgaaata gggatgtaat 240
ga 242

<210> 8447

<211> 162
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(162)
 <223> n = A, C, T or G

<400> 8447
 aagtaccaat gtgctgggag gacccaataa ttgatgcagg ggtgtggggg gttacactgt 60
 gactaaaaaa accacataac atcataactg gaacatcact atggtgggat ctgtatctac 120
 agatcacata aggaaggaa gtcgtggaga naagcatggg gt 162

<210> 8448
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8448
 cagggttaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagcttg tacaagcttt 60
 tttttttttt tttttttttt tccagatatt cataaaataa attttttaga ttggcctata 120
 aaaaaaaaaa tccaaccacc tttccctagg aaccttttga acaccataag aacaaaagct 180
 ctaacatata ccta 194

<210> 8449
 <211> 513
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(513)
 <223> n = A, C, T or G

<400> 8449
 gggtagcaaaa tacaccgaca aaagaaaaaa agcagatggg ctgctagggt tctgctttta 60
 aaaaatttca tataagaatt gggtttcaag caggaagcca gaacttctgc ctctggttct 120
 taaattaaca ttcgggtgtg aatggacaat aggcaggac tcataatttg actaactcac 180
 atgctcaagc atgatcgtg ccaatttcta caggcctoct ttgtaaagaa atgtgtaaca 240
 atggggggaa agtcataatt ctacctgaaa acatggattg taagaagaa taaaaaatc 300
 aaacagtatg ttttaagttt cccttttgat actgtgtttc agggtaagtg acagcttctg 360
 caaaccaaga ctcaagtctg attataaagg atttttaaaa ttacattatt aaaaatagtg 420
 atttattctt ctttcacttt atctattttc caaagcctct ttcaagtaaa ctgtgaagtg 480

cctgagtacc tgcccgggcg gngtggtgg gtg 513

<210> 8450
 <211> 638
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(638)
 <223> n = A, C, T or G

<400> 8450
 actagaaaag cctggctgcc atccatcgct gcctctgagg tggaggaaga ggcgggtgat 60
 gtgctcactt ctgatcaaca tgtgttgccct cctctcagcc aacttctatc tcaactgcaact 120
 cactctggtc atgataaatg ttogtcacct ttctgcttca ttccttangg cctaaatcan 180
 gaagctgttt tatcgatggg ttccctttgg gtcagtaacc agctttggat aatttctctt 240
 gattattcaa gtcgtgggac aggtaaacta cattcagcan gaacttttct ncgagagtgt 300
 tatgtcatgg aaaagacacc aaacacagca agtattgtaa tgaatacacc atcccagggg 360
 tcagtaagct ctgcctgcc aagaacacaca gtgaggaggg tccacagtcc tgatgangtg 420
 gcgtttggtg actttagtag cctagcatgg ccagggtctgg tcacccttaa gaacttctca 480
 gagaaactag gaatcttcag tgaagaact aatgttctcc tcagctgaaa ttccttgct 540
 tgtcagcatt tctgcaaagc tcacacttgt ttaccatac ctcccttggg tgtgacatgt 600
 angtangaag tatgtgcang tgggagtcac ttgttagg 638

<210> 8451
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8451
 tacatgtcac accaccgcca tgttttggtg attgaatcgg cttgggtatg cggcctcgcg 60
 tgactgcatt ggacattgat ctcggggaga cgtgaagagg atgtaagggt ggctatgatc 120
 gctaatagca ccgagtgcct ccttctgtga ggtgactgag ac 162

<210> 8452
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 8452
 gtgcatgcta tcaatgtgtc caattcccac atcctgagct acgcaactgga agacatgcct 60
 aagaaaatag acgaaataca ggtacttctt gatgacagac gaagcataag ataacatatac 120

atagtataga tgaagcaaat ataacgacta aactaatctt acataacaat gcattacatt 180
 atttgacaca catggtcacg atgtgattaa gataagatag acaaatatga agattaaatg 240
 acataatggg tgtgaaagaa cgaagtgaat tgatacacac actatggtaa tatctgtatg 300
 atatacacta atactactga tcatacaact aaaacaaaaa acaaagaata tctagttcct 360
 gcttgtcaag catgtgataa ctaatg 386

<210> 8453
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8453
 tgcgcatgac ttctcagttt cttctggtaa ctaatgacca agatgaccaa tacattgtca 60
 acaatgccat gatataagat aaggtagtag aatggattat ttgatattta ttttgtaa 120
 gtgcatcttt ttcaactcaa ttttatattt ctttatgatt tt 162

<210> 8454
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8454
 ttacaactta taagaaaaag taaagggaaa cctcaacatg catgcaactg ccttgtgtga 60
 ccagtgtgaag taccocccac gagctatgga ggataattta gccccggaag cgttatgctt 120
 ttcattattc aactgttctc cccaggggtg tgcttggca aaattaaatt atttccatcc 180
 atagccaaga tttg 194

<210> 8455
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8455
 tttgatttgg ttaagacttg atgatatgga tggaacctca ctcttaaagc cgtgatagac 60
 acacacteta tgcaaactgg gaagtttgac agaaagtctg ggtagggaaa cacacatata 120
 ggccttggtc atctggctag cagaactatc ctgtgttgag acaaattgcc cgtgcgct 178

<210> 8456
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8456
 gccgatgtac gaaggaagcc aatactacat gaggtgtaat aatgcatacc tataactgca 60
 ctcaccteta tgtaattgct cacatgccga ccaaggtgac aattttcttc actgctgaca 120

cttctgagtg atgatatcaa cgaatgaaca cgctgccact ctctgacaag acaactacga 180
 atatcattat atataagaat agggaggggc tctgcttact aaagac 226

<210> 8457
 <211> 482
 <212> DNA
 <213> Homo sapiens

<400> 8457
 gaggactgtg taacatgtgt cactgggcaa gctgtgccta taatactggt gatgctgtga 60
 gagtatgtgt ttggtggact tgcagtgggt gtgatttcta agagttactt ttatTTTTTg 120
 taacattttc ttatgatcat gtctgtgttg ggttgatagt gaaggatata atgacttggt 180
 ggttgatttg tagatattgt gacatcagac gggatcacgc taatcacttt tgtattttcg 240
 ggcgggtgta agtctagcat atgggagagc tacataagcg ttggattcat acgttgaact 300
 attctataat gtctgctatt ataggttggc gtgatgatgg tcataagtgg atactgtgtg 360
 aaattggtat tggctcacta ttgtatacta tataggaacc ggaataattg gtgtaaagat 420
 tgggggtgcct gatgagtgag ttaaattgca ttaattgcgt tgtgctcact ggctgcttcc 480
 ca 482

<210> 8458
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8458
 taggcatttc tgacatttta taaacctaca ttttaagggga atttttaaaag gaaatgtttt 60
 ttctTTTTTT tgTTTTTTga gggggcaagg agggaccaga aagttagctc ttcttatgtg 120
 gaatattatc ataaaattac cttagtaa at gccatgttta taatctaate tttcaaagta 180
 ttgaattgat gtctgcaatg cccatccttt cttcttagga attgga 226

<210> 8459
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8459
 aggtgtcaca tgtagagcta gtcataataa tatacctgaa tgttatgtat tcatgcta at 60
 taatataatt tgcaccaaca aaaacgtcaa acaacatag tgtttgggag gtctttatgt 120
 aactctgtat ataaaataca atgcacgttt ttcccgttgt tt 162

<210> 8460
 <211> 674

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(674)
 <223> n = A, C, T or G

<400> 8460
 ccatgaagtc tgtcttttgt caaagttcta tgcagtccca ggatagcgtg atagcagtgg 60
 ttaaacacaa ccagctagtt atagctttca ttgtatggaa agacctctct ggtctggaac 120
 tctgcctttg aaattatcca cgtagttcag aaggcaaata cttgttaaag ggatcccaaa 180
 aggtaggaga caagtagttt ttgttatgca ttagggcaga ctttcaagca caagacacaa 240
 aattgagcag caaatgtttg ggtagtccca tctcccttcg gtttatatgt gggtagtaaa 300
 ataaataaaa ttttccttct ttgtctcttt cttgaaataa aatatacagg atccaaggag 360
 agctgaggat tctcaatttg ctagattgct ttaaaggggt cagatttaga aaattaagga 420
 ataatgaag aacaatttta ctggagtagg tgtggccaat angccctttt tcattttgtg 480
 ccattgcttt tagcacaagg atgtcaaaaa tatcacatag aatgtcatct ctgatggact 540
 gacagagacc tctgtttgtg ctgtgttagg acatgaggct tatcccagct tggcgggaga 600
 gaatgctaag catgatgagt gagatctgcc acaggcacgg atattttctg ctctcttctt 660
 gtttgtttca aaca 674

<210> 8461
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 8461
 atcaccatca gggtaaata cactcctgat gatgctgtta atagaaactg ggtataaca 60
 cctccccatt acactcaagc acaatgtgtg tagttctcta ataaggagat gaattgttct 120
 tttataccat gagagtgaca tgcacggcac acacttggtt aaggggtgtg cctgcatcaa 180
 aaataaaata catagaatca gtgtaatgtg aacataaaat aaagaataaa tagcgtggct 240
 gtcacatgct atttcccttt atggaagggt agtगतatgt cgtgcatgct gcgttctgca 300
 caactggcct actgggaggg cactggttct gcctggtt 338

<210> 8462
 <211> 498
 <212> DNA
 <213> Homo sapiens

<400> 8462
 gaagagcata ccgatcta atagtagccagt cagggttgtc cgagattgca aatactagat 60

ctatatatca tataatctatc attatatata tgggagaata tattatggga aatatatatc 120
 aaaaatctat atataataaa gtatttagta gtaatgaata tggatgatatg aaaatatata 180
 tataatataat tatgtatata tcatgatgac tgatatactg agactgtcgt actctgactt 240
 atgatgcatg gctatgtgag cacagggatg tgactacggg gctatatatg cagggaaaat 300
 aaggcagata acatgggtag tatgtctagg gtagtgtgtg aatcacagaa gatgaatcag 360
 tgaagagata ttattgaatt gatgctattc agataatgtg ggtgtgaaca gatgcatggc 420
 atcagaggca tgtctgatat ggcattgaatg agtgaagtga aacgtatgaa gagatactga 480
 ttaaagagaa ttcattgca 498

<210> 8463
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 8463
 ggtaaagcta tttggttcga ttgttaatth agtttgctth agagagtaga acatataatg 60
 cgacaaaaga ttagtaatga gaaaatcagt atttcattgg atgtgttaag tgtcaaaagt 120
 cactgtaatg gtgttggtt caaccggtt tttgtttga agaataatgg tgtatgtgtt 180
 acatcccatt cttcatgtcc aaatthtga cgttccttgt ctcactcagc tgtgataaac 240
 tggctctggag ttgctgaccg accattgttc atcgaatgag gcattatctg 290

<210> 8464
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8464
 ttgggtggtg gaggaggtg gggatgatgg tggatgaagt ttgtgtggat atgtatggtt 60
 tatagagtag atgagaatgg gataaagatt gtgaattatg aggatgtgga gtagagtgag 120
 tataaggggt aagatgtatg aaatatataa tgaatggatt atgtgaggtg aaaatgatag 180
 atagggatg gtgtgaatgg agaggatgta atttataaaa tgaatatggt gttttgattg 240
 ta 242

<210> 8465
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8465
 gggccgaggt gcacatgtgg aaagtaggtc atgagataaa accatcaata tctaataat 60
 atgaatcaag tgtgagttca caactacaaa cactaaaaca cattattaa aaagcttgta 120

cgagcttttg cttttttttt ttttttgttt ttcggatcac aacgcttact atacgttg 178

<210> 8466
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 8466
 cgcgggggag gtacacttaa aactgtgag aataacagag aaagatgagg gtttttatat 60
 acagtggccg ctgtgtttgc ggcacttggg aatgacatgt ttgtttttac accaccgtga 120
 gcgggacctg gaagtagagg gtgcgctgca caaggcccaa agagaatatac attacttgct 180
 gatggtgggt cacgtgccc gggcacacgg ctgtggcgga gctagcgtg gccgcttgcc 240
 agcttcacgc atgggctccc tactcctgac gcctatatgc atactgttgt gtgttgcaac 300
 tgtgtctacc atacaatgct cggagggatg ctgggaatga cgtggtgtgg ggagacatgg 360
 ctatgacggt tgaagattga cccatctttc cagggaggag cg 402

<210> 8467
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 8467
 ttaccgatgc ggccgcgccc ggcgatgcac gtgatcaatc ttgtactgag gccacagggt 60
 tgcaccagaa attctgcttc taacacttat gtctgagtc tgcctggag agggctgact 120
 gcacaatgat tatcttttct tttacatgtg gcacgtacgt gcagcatcag caaggtggag 180
 gggggctcgc gctccacacg cccccaacaa 210

<210> 8468
 <211> 674
 <212> DNA
 <213> Homo sapiens

<400> 8468
 cggggccgac gtgcatgata aaaatttgtg gaaaacatgg gtctctgata cgggggcgga 60
 tcaactcctg acacgtaatt cttaggatca atatgttggg ctgtgctgag gctgacagggt 120
 gatcttgggg tggctctttt atggctcgtg gagggtcttc atggtaggc ttgcattata 180
 ccatcagatc atagaagcgg acacattgac tcatatccta tggctagtaa ataagatgta 240
 ctggatagtg aatctctttg gttacgcatg acgaataact ggaaagagga gagtgcata 300
 aatataatgc agagccatat tgtctacttg tactgcaaac ttttgatgat ctgtatagat 360
 gaccagagca tccaactgag tgaggagcat catcgcggaa gacatgattg tcatgtcata 420
 cgatagcagc ggagcatata aagaggatat tggcatgctc tgcgccgagt ccaggctact 480

gactaccgta tgtgatgccg actgcaggtg cgatatgatg gagagctcag ctcgcgtggg 540
 atgggtaacg ttocggttcta tagtgtcacg taaatagctt ggcgtgatga tggcatagc 600
 tgtgttgtgt gtgagtgggt atgcgctcac aaaccacaca catacgagcc ggagcataag 660
 tgaaaagccg ggggt 674

<210> 8469
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8469
 cgcgccgag gtaccggtga ggaaagtgcg gattgacact tggatgggtg taagtatgaa 60
 tcacctgatg aggtcacaaa tacaatgcaa tctgcaaact atttatagca gcctctaact 120
 tgcttcatat gcttctgttt acagagtga taccacccat ctgctgcagt gaatgtgatt 180
 gagctctcaa ggtctgggca agaggggatt ggtgtaagtg tatcca 226

<210> 8470
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8470
 gggcgacgg gcctgacggg gaggaggttt ttgggtgtga tgaagattgt ggcgtgtttg 60
 cggcattgga cagcctagaa gctcaggaca agtgatgact ctgtattgga aagtgatgac 120
 gcaaggccgg gggacgcagg ggcagccaac acatcagcca tc 162

<210> 8471
 <211> 226
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(226)
 <223> n = A, C, T or G

<400> 8471
 nccgnctcgg ggtctagntt actgggacaa cctgntgntg gncaggnata tggcactcac 60
 cgggctgggn taaggcacag ncttgggnta actcactggg cattgggcag gctatccggc 120
 atgggctatg gcacagcatt cctacctggc catgacctgt gcatgctagg cacagctatt 180
 tgcgtggccc tccgctctgc tctgtgctat ggccgcgcat agcgca 226

<210> 8472
 <211> 338

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(338)
 <223> n = A, C, T or G

<400> 8472
 gaaggantag caggnaccga gaggatacca gcattactga cgaacangga ccagccccac 60
 ctgggaccct cttacccac aactctcatt gggctacacc actcagtcga ccgatacaca 120
 ctcgacacag ggacgntagg gatgcaatga tcagacctcc tggtagtac ctaagcacta 180
 tctgggactg gtttggggta ggacaaaggc agcacatctt ggcaactggc acaagggcct 240
 ctccaagctg taagggcagc tcaacagcac ctactgggat gggtcagcgc aggggctgct 300
 ggtcctaggt actctggccc ggggcggaac gacttact 338

<210> 8473
 <211> 224
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(224)
 <223> n = A, C, T or G

<400> 8473
 ncagntacgn cctggcgnaa ggntcctttc tggacgntca aggagnatgn aatctggnaa 60
 aaactgtcta ttctcttagn agnagnaanaa tataccccac ctaaagtcgc agctaccatt 120
 aacaaaaaaaa aaaattagca aagggaaaga atcaatggta aggacagtaa atatactctg 180
 agaatagagt aagtacctcg gccgcgacca cgctaatac tagt 224

<210> 8474
 <211> 770
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(770)
 <223> n = A, C, T or G

<400> 8474
 gggncagnta ctagnaagg nccggntgc catccatcgc tgccctcnag gtgganaagn 60
 agcgggtgat gtgctcactt ctgatcaaca tgtgttgct cctctcagcc aacttctagc 120
 tcaactgact cactctggtc atgataaatg ttctgacact ttctgcttca ttccttaggg 180

cctaaatcag gaagctgttt tatcgatggt ttccttttgg gtcagtaacc agctttggat 240
 aatttcctct gattattcaa gtcgtgggac aggtaaacta cattcagcag gaacttttct 300
 cgaggagtgt tatgtcatgg aaaagacacc aaacacagca agtattttta tgaatacacc 360
 atcccagggg gtcagtaagc tctgcctgcc aagaagacac agtgagaggg gtccacagtc 420
 ctgatgaggt ggcgttttgg aacttgtaga ccctagcatg gccaggctctg gtcaccctta 480
 agaacttctc agagaaacta ggaatcttca gtgaaagaac taatgttctc ctcagctgaa 540
 attcccttgc ttgtcagcat ttctgcagag ctcacacttg tttcaccata cctcccttgg 600
 atgtgacatg tangtangaa gtatgtgcan gtgggagtca tctgtcagcc tgctatgttt 660
 cagagatcct gaaagtgggt tgaacaacac aggagaggag caggaaatat ccgtgcctgt 720
 ggcagatctc actcatcatg cttagcattc tctcccgcc agetgggata 770

<210> 8475
 <211> 226
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(226)
 <223> n = A, C, T or G

<400> 8475
 acagntacga tttacagatc acgggtctcaa ctgattttgg catcacaata taacataatt 60
 taaagtgggg tgatttattc aacagtatct tgtttcgcaa actttggaga catgtcctag 120
 actgtacctt caaactgtat tcttgatctt gctggaacat gttggttgct ggcgggtgct 180
 gcatgcagcc atgggtgcatt cctgggtgctt gaactgatag atgtgg 226

<210> 8476
 <211> 338
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(338)
 <223> n = A, C, T or G

<400> 8476
 gnagatacgc aagnttcttt tactttcact gnaagnttct gggcgcctct ggtgnntttt 60
 tcctntcttt tctggaacca ggggcaagca ctccggcttc ttggcttctg cgnacggggc 120
 agnatctgag caatgcactt gcgactattc tgctcctctc ctgcacaggg gtaagtatcg 180

tctctctagg gtgaaggcag atctggcatt tgctgctctc ttgggactac cagaccgct 240
 cccttttttt ctctgctgcg tttcttttct cttccttate ctcttttaat ctctgtccct 300
 catacttget tatttcatac gatgctaggt tcaactcct 338

<210> 8477
 <211> 322
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(322)
 <223> n = A, C, T or G

<400> 8477
 cagctgnaag ctccaagnca aancaatata gnaactcacc cagtgatggc tgaactgtcg 60
 tcatcagcta aaacaggtaa gcgaaaaaga gtcagatgct gtttcgaggt ttagtatatc 120
 ctagtaatgg ttgtcctgbc tgcaatattt gaattttaaa tataaatcta tttattaata 180
 tttaacatta tttatatggg gaatatattt tttgactcat caatcaaata agtatttatt 240
 atagtaatct tttgtgtaat gaatatgaat atttattaat atatggatta tttattattt 300
 ttatatcttg tgattgtttt at 322

<210> 8478
 <211> 498
 <212> DNA
 <213> Homo sapiens

<400> 8478
 cgggtacata tatcaaagga ctataatata aacatgcacc tatggtatta tatagcaaaa 60
 agaatctatg gggaacagtt acttatgcac acattaacat actccctgaa ttttgattaa 120
 cacgatgttc tcatatgcat gtgatattca tctacttatt tttggctggt catagtatct 180
 gctgcatggt atcagagttt atattatcac ctccggagat acccacctaa tcaactgggt 240
 attgctggcg cgggtgtgagt agatcgtctg ggagagctcc catcgcgttg acatgcctcg 300
 gtcgtagtat tctataatgt cacatgatta gctggacggt ctcatggata tagatgttat 360
 cctgtgtgca tatgttatta gatctcaatt ccaactcacac tactatcggg atgctataat 420
 gcgtattgga tgggggagtt aatgagtgta tctcactata cattaattgt gttgcgctaa 480
 ctgactgatt tacattca 498

<210> 8479
 <211> 530
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(530)
 <223> n = A, C, T or G

<400> 8479
 gncagatact gattacaaca atgccatgct ctgcgagcag actcacgatt caaggtctta 60
 catgcccgca acatgactca cagnaactaa aacatctaca ctgtctaaa taagaactca 120
 aatgtctgga tgtagagact atattgagct ggaaagtcaa taaatctttc actataacca 180
 ccacatggca cattaatgca tcacatatca agcgtatata gtgcctgaga actgaagagg 240
 atctgtaaac aactttcatg tgtgtaatat gactgatgta gacacgctat gcattgaagt 300
 actatctgaa cagatggatt acctcttgtc ctagcatcat ctgcactctg tcttgattat 360
 caactgcttc ccaactggaaa catatgaagc cgtctattta tttatgtgtg tatatgctat 420
 atgaattggt gactgtgtgg aatgcttgct attgtggcta ttattctgaa tcttaatact 480
 ataaatatgg atctgatatg attctgcttg tcagtctcta gtgctatgca 530

<210> 8480
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8480
 cggccccgcc cgggcatggt tacataggca ccgagactgc ggagtgggac tctactaagt 60
 gtgtgtgcaa ctacatgtgc gaacgtggtt ttttttttac ttcgtgcttg tttgacgcta 120
 tggctgggag cgcagtagca cagagccatg accgcgtgca cgccgtattc gatggcgc 178

<210> 8481
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 8481
 cgtagtttaa tatttattgt ctctcttttc tgctggtgta gtacatatt atatataagt 60
 aaagagatgc gttcaagatc tagatcacgt tctatgaggt agaggactcc cttatcttgt 120
 atattcaggc ggtcaagtag ctatatctga gacggtcggt ctatattgta tagtctatga 180
 agtcgtgtga tgattctcaa tagctctatg 210

<210> 8482
 <211> 546
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)..(546)
 <223> n = A, C, T or G

<400> 8482
 tggcatatgc tgtattttat tgtatcgtgt aagtgctaga aatataccca atactgaaat 60
 cttattaact ttgttttcta tgcggcttgg ggttttgggt gttcatgcat tattgtccac 120
 tattatcatt tttctttaac aagatataac attgtatggt atattgtaca tatattgtat 180
 gcatccatta ctgggtgtgtg tttactactt tggctgtttg gcttaacgac acatggaact 240
 gtgcaatatc gcttttatgc acaactctcg gcttatttaa ccaagaatat tatcgtgaaa 300
 catcgtgtac tggctaataa ggcatattct cgtattcttt gtaatgtgat atagtgattt 360
 cagatagctt taaagtgtat gtgtgacatt cgtgacaact atccaacaca tacttaactg 420
 tgccaatatt tgtcaatttt tatactctgat gcatgcgttc ctaaaaaatg agatgtctct 480
 gactaacata acaggagtgt caatttgtgg tgcgtggagt gcaatgtagt agtgtcgnac 540
 tcagcg 546

<210> 8483
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 8483
 acgaggatta gaaaatcact gaagtgactg ttgatgacgt aggtgaagag tgggaagtag 60
 aggaggtgtg gagattatta tttaagtatt ttatgaatgc taagtaatag gaagtggttg 120
 atggtgatat ttaaattttg attttgtaa atttgtagta gaatattgat taatgattat 180
 tttatgtggt gatattgtga tgtgctttat gttgagcaaa ttggatatta tttattagtt 240
 tgtttttgaa gtgtcttact atgtgagatg agaggatag tattgtgttg tgtgtttggt 300
 gttcatattg ttgtgtattg gatttagttt tctttgaa 338

<210> 8484
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 8484
 gatgcctgtg ctactgtcc acgagtgcac tgaggcacia gggcatgaat ggatcctata 60
 aatgactcac tttgcctggc tcttggcact ggatgtagct gttggggctt gacaatttag 120
 aacttgaagc cctcaccat tatccggaat attgtgatcc tgactactat tccagaa 177

<210> 8485
 <211> 306

<212> DNA
 <213> Homo sapiens

 <400> 8485
 aagatgtgat gaagcagaac gatgaattaa tagatggaag acatataaca tgcgataaaa 60
 gtgatacgtg tcactatata aagagtaaag cccatacaag tatccatgct ttctaattctc 120
 aacgttgtaa gtggctgggc aacctatgcg acgtcttaca caaggacaca aagacatgag 180
 catgagctat aagggggctc caggactacc tctaagaggg ataggcctct agtaactcca 240
 ggctctgctc cgaatgctga gaggagactt aaatactggt actgcggcc gttacatcag 300
 aactca 306

 <210> 8486
 <211> 162
 <212> DNA
 <213> Homo sapiens

 <400> 8486
 tcatgaatct ccaaccttaa atactgaaac actgacatat gaagctattt gatgcctgct 60
 tgaatcaata tatcaccact acttgccgca ctgatgacac tatgcaaagt tgcgtgatac 120
 gtccgaaaca atgccgtagg gggggctaca gggcacgaaa ca 162

 <210> 8487
 <211> 162
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)..(162)
 <223> n = A, C, T or G

 <400> 8487
 ttttttttg ntggtttaa attttaataa aggggggnca aaggntgnaa tggntcnaaa 60
 antcctcaag ntccgnacgg nactccccgn agaccaagnc anttgnantc cattcattat 120
 tcgntctggn atcttagnc aagccccggn ccctggnan ca 162

 <210> 8488
 <211> 194
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)..(194)
 <223> n = A, C, T or G

 <400> 8488

tttttttttt tttttttttt tttttttcta attactacct tttattctaa gggaaaccag 60
 ggcccgaaag nccaataaca agctggncga aacaaaggaa actaggggtg gncaaaaaga 120
 attagggggg aaaaacatgg nctcttctctg ggggaggag ncggggaaaa ggnaaaagag 180
 gtgctcagcc ggca 194

<210> 8489
 <211> 210
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(210)
 <223> n = A, C, T or G

<400> 8489
 tttttttttt tttttttttt tttatttaaa aaaatttcaa taaaacggcc gggcgggctc 60
 gggcggccc ctatcggctc agccgggggn cctcctccc ccacccatt ctaccagggg 120
 agattctggg ggggaggcca agttcccttc tagagggggc ttcaccctt tcccagaaac 180
 gttccagttt caggagnagg naggcaggcag 210

<210> 8490
 <211> 226
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(226)
 <223> n = A, C, T or G

<400> 8490
 tttttttttt ttccacgnt acaaaatctt taggtaanta taaaataaat aatagnaata 60
 ttaattaata acaacaacac aacagggnc acaatattaa taataacaaa anctctccca 120
 tggncaccag ncttctctcc ancttttctc ttcggcttca cacaacttgn gnanatanct 180
 gttttcatan cgggnaaaac ggagnccan anagntcgn acactg 226

<210> 8491
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 8491
 ccaggccagg acacacagac accacgcaca cgggaagcac ggacgtgcag accgcacctc 60
 cccctctctg gaccactct cccagctcg ccagctcaag ccaggagcac acagcgcgac 120

cccagcccac caccaagagg acaggacacc gagatgtgga ggcggccacc gggcagacaa 180
 ccgaggcgac aaaccacaga accggctcca cacgtagaag acagcacaca aacgcagccg 240
 atcccacaac agcacgcagt accctccagc cgagccacac aagctccacc cgcccccca 300
 gctccacctg ccgcgggccc ccaagactgc cagccacc 338

<210> 8492
 <211> 594
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(594)
 <223> n = A, C, T or G

<400> 8492
 caactctgaa tataactaaa gctgttgaat tacacacttt aaataagtga attttacggt 60
 aagcaaatta tatcttaaga cattaanaat aataacaaag gacggaactc acacatcttc 120
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 cacagttgta ggctgtctc aagtgttccg tcgttgactt gtgtcccgcc tcgcccggca 240
 atgatgtatg tgtggagcgc agtcatgttc tttgttacgc aacacagttt tcaccttggg 300
 ctaagatgat gtgattcttc caaggtttgt ggcagaaatc ccatttaata nactggtcca 360
 gatttcttca tgccgtaaaa ttgtttaagg aagttattta ttctgccaag ctctcgtcat 420
 ggtgtccgac actcccttct gtctcctgga gggccaggct tccgtgctct ggggctcagc 480
 aggacgggga ggacgtatnc ctagacacct gcatcagtca aggtcatgga tattgggaag 540
 acagacagca gcagaccag gtctgagctt acaaggtagc cactgagtct gggg 594

<210> 8493
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 8493
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 actcgtcctt ataattgtta actttttact gttatcttta acttgtgttt aacctcactt 120
 tcatacactt tagaagcaac tggaatgata atggttattg tgaacaaggg gcaaatctgc 180
 atgtgtgcag aatataatcg agttatcttt cttttactga tactgacccc acatgtgttt 240
 gacctttcta tgcacactgt tgcctttaga atactaactg ataaatcatt ttactgttgc 300
 ttttctctca catgttagct taacgctgaa cggcattttg actacagtgt gttctgcata 360
 tagaacattg attacacatg atatatgggt ttatactttt tgttgtctct tgcttattta 420

gtttgctgct cacg

434

<210> 8494
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 8494
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 cttgtggcac cctggaccca ctaaagaacg cccttagtga tgaccaactg ccacatgtta 180
 cacattcttg atggttggct gtgtggcgga ctttctcttg tgaccatgat ccagaagctc 240
 ctccaacact gcttcactgg aacactgctg cctcagacga taccacgtga tgaagttgtg 300
 gcttatgggg cagctgcacg tccgagattt ttgacagctc acaactctga gaatgcatag 360
 cttgagttgc ctatggaggc agctaa 386

<210> 8495
 <211> 642
 <212> DNA
 <213> Homo sapiens

<400> 8495
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 tatactgatg tggcgtgatg gatccgcatg gggctgctct cctggacctt cgtgctgtcc 180
 ttatacctgg tttggggagc acggtgtgga tgacgtgagc gtgtgatgaa ctgcatggag 240
 attctgcggc aatagtgaca catgtggctg gtgtgcttga gatatgggat gagatatgac 300
 atgcggaact aatagcatat gctttgtcat cacgatggca aaatcactga gagaacagag 360
 aaaaaacat agtactgtgt cgtgatcaat ctaatccatg ccgtatacgt ggtcgacgga 420
 caggctacaa tatggatcag cacactatga gtctgatgat acggtagagc atgcaatgat 480
 gatgacgtga tgggactcgg cgtagtcatg gctatagctg tttcctgtgc gcagttgcct 540
 tccgctcaca attatacaaa acatacagac aggaggcata aagagtaaag cctgggggtgc 600
 ctaaggagtg agctaactga cattattatg ggttgtgcct gc 642

<210> 8496
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 8496
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tatatcactg cataacatgg cggtaggggtg ttgggtgat gtatctcatt ataggagttg 120
 tgtgaaactc attacgaatg gaatggatat cctgatagta acaacatata ccatcacaga 180
 ccgcttattg aaagcagtac tatatattac caaacttggc cttgttgtct gggatgatct 240
 ggacgacatg tgggtgatag aattggttga gaacatggac aagatattca acgtgacata 300
 taacatgata ccataacaac cctacaggaa catagctttc gactgataca ggtgtgactc 360
 tgactggcta ggatgctctg acacactgta cgtctacata caaccaggtg attctagttt 420
 acacaataat ggactgagat gatactaact gtggatgata gcactgtatg attaaaatga 480
 tctcttagga tattttaaata agaagatata ataaaaatat ataaaagctt 530

<210> 8497
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8497
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 atgtctctgc tagtcattac tgctctttat acattgatat agtctgtcgc tggcagggat 120
 gtaaggggct ctaatgggca tgtatctage tgatgctctg ac 162

<210> 8498
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8498
 ccaaaagact gctggagacc actcaaggca agacatgaat gtcaagtctc tcaatagcaa 60
 ctaaaaagaa aacgaggact gactctcgaa acagctgact aatcattcgg tatactgact 120
 tgaatgccca acgcaaagca atacatgaaa ccaccaagc ga 162

<210> 8499
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 8499
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 tgactgtcta catggatata atgcgaggct gggtaaaaaa tatccgtgga tttgcacacc 120
 tgcacaaagc acaccaagaa ctgctttttg aatcatctct cttataactg gttgcacttc 180
 catgatcata cacgtggcta gcgagtggtg ggttaactca tatattgcaa tgggggtggc 240
 ttactcatgt tgtgggtgat aactggatta gaggaatgga cctgatgaat ctgttgatta 300
 tggcgcaact tgccaaacat gaatcttgac tggtagacga ctctgatgaa gtgc 354

<210> 8500
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 8500
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 gattcgtgtg ctcacactcc actgtttaat atgttactat gacacaccta ctaaaagtat 120
 gacagctcct cttagactgg aagtgtgcaa ttaccatcac acgtggataa tgcaaggcgc 180
 tgctctcatt tcctgttact tatgactgtg acgtgaagtg agattatgca ctattaacaa 240
 atcatgatgg tggagatgaa agtgctcatc attacatata atgtgattga tacacagatg 300
 tgtgacggat tgctgggata aaaatatatg taagattagg actcctaacc gctggtttac 360
 tcaatcataa acagaacaat gatcaaaaca gaggtcacia tactgcctga ggtggctggc 420
 atctctacga cgcacgagtg cactgtacac catgcctgca aacgga 466

<210> 8501
 <211> 178
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(178)
 <223> n = A, C, T or G

<400> 8501
 ccnggggtaca tcccattgat gtcacttgcg aagagtgggc atgaccatat tgtgaatcta 60
 tgagtacgga ctattgagga ctaaactgga aggatgcaac tacacacact gtgaggaatg 120
 gctgcgtctc aactagatg gctttattac agggactgga cactggatag aanatata 178

<210> 8502
 <211> 594
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(594)
 <223> n = A, C, T and G

<400> 8502
 cgaggtacag gtcacacagc acatcagtgg ctacatgtga gctcagacct gggctctgctg 60
 ctgtctgtct tccaatatc catgaccttg actgatgcag gtgtctaggg atacgtccat 120
 ccccgctctg ctggagccca gagcacggaa gcttggccct ccgaggagac agaagggagt 180

gtcggacacc atgacgagag cttgaaatct ggaccagttt attaaatggg atttctgcca 240
 caaaccttgg aagaatcaca tcatcttagc ccaaggggtga aaactgtgtt gcgtaacaaa 300
 gaacatgact gcgctccaca catacatcat tgcccggcga ggcgggacac aagtcaacga 360
 cggaacactt gagacaggcc tacaactgtg cacggttcag aagcangttt aagccatact 420
 tgctgcagtg agactacatt tctgtctaaa gaagatgtga gtcctaagca gacttaaagc 480
 caagaaaata agaagaggaa agagagaggc ctgccctaac cactgttgtt gctgacttgg 540
 acaattccaa gtccaagagg actgtctact ttgcacctg tgtgattata acct 594

<210> 8503
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8503
 aggtaaatat cattgatgtg agtttcatac tacagcatgg atgtggtagt gctgcagact 60
 ggtgctgctt atggggcaga tacactagct ctgatgtcaa tgactggaac agtgtgattg 120
 gatgcctgat ggatgatttc ttagacatgc taaagtgtaa gtcagaccct gactcagt 178

<210> 8504
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 8504
 ggggcaggta acacctccag acctctttct gtctgagtgt atctagtttg ctgcttttat 60
 ttatgtatta tgttctcctc atgtacttgc tccttgctgc tgggagaatt ctgtcgttct 120
 ctttgccga tctcaaatcg tagaaccta aactacttcc tgcagtaact gccctggctt 180
 ggcgtctcac aaggcaatac tctctcgtt ccagcgagga ccagagggta gccagcctc 240
 ccagtgtagc tggactcc 258

<210> 8505
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 8505
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 ttagacgacc acgaaatata taagcacata taatgctgat tgtaaataga tatccaaagc 120
 acctctgcta caaactacct ggctcgtgtc tgctgtatct tgccatccac atgatagggc 180
 atgtaacacg aactccagag caatctcctc 210

<210> 8506
 <211> 321
 <212> DNA
 <213> Homo sapiens

<400> 8506
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 tgtgattcac tgcattggcag cagggtgatgg cattgacata ggccactgct tgatattgatt 120
 ttgtgcatcc tgtccagagg tcctggactt tatgagaggt atgttttaggc atttgggtga 180
 catgctatct gtctaccctg gtccttacgt ctgggatcac atattccttc tgtgggtaca 240
 aattgtgtgt gatttctgat gatagggggg ggtgtataac tatttatctt aacctgggtt 300
 gtatatatta cattgggtta a 321

<210> 8507
 <211> 290
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(290)
 <223> n = A, C, T and G

<400> 8507
 cgggcaggta cactcangaa tgtgctgcac aaactctatt cagttagcag tgatcacccc 60
 gtgaccaca cacacctteg atataatcct acaaagtctt aacattaatt aacataatta 120
 aataagtatt tgcattctata aaaaatatac agaagaacta attgtggagt aatctgtgcc 180
 tccatttcaa tgtctgcttg tttcactgac attatcaata tattcttttc atacaaagtc 240
 ttataaaaag cgaaggaggg ctgagcggat acgaccagcc acacacaaaa 290

<210> 8508
 <211> 371
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(371)
 <223> n = A, C, T or G

<400> 8508
 cagntacaan cttttttttt tttttttttt tttttttggt ttggaacctt taataaaaaat 60
 aaaaaaggaa tgcaaaaaga acacaatggt gaaaacttaa tattaatgtg aacctcacta 120
 gatgttcaaa tctggtagag tgcaaatgtt gttcatacta ttttacattt ttacaaactc 180
 aaatcacttt ggttcatata ttttctataa actattggca aaaaaatcct caaatttaca 240

ttcttttggc tacattatctt ctaacagata tagatttact tccggtttcg gagagaaaga 300
 cttattgtgt gtgcgtgatc aagtctgttt taaagattca cacctcggcc gcgaccacgc 360
 taatcactag t 371

<210> 8509
 <211> 194
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(194)
 <223> n = A, C, T or G

<400> 8509
 ttactaattt acttagcaaa ctttatcctg agatttgcaa atttaaaaa atgaagaatc 60
 aaactatatt ttcttttctg tttttttgaa acagagtctc cactctgtca tccaggctgg 120
 agtacctgcc cgggcggggg gttgtngtgg ttatgaattt gtgtgggtgt gaagtagaga 180
 ttagagatag gatg 194

<210> 8510
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8510
 tttctgtgta ataagagtga ctgcttataa ggagcgtgga ttgcataga gtattgtgaa 60
 taaggttgtt tctacttaag tagatttctg tataggcaag agtgatgtat ctttgttata 120
 gtttaggtgt atgtagttat tgataatagt gcagcgtttt ta 162

<210> 8511
 <211> 274
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(274)
 <223> n = A, C, T or G

<400> 8511
 agcaaaaccc acccaagcaa caactggggc caagaacggg gnaacccaaa taggcattac 60
 cccagaggaa ccgaattaag gaaaatggaa ttaaggggtt ggcccaggat tttgacgacc 120
 aatttgatga tgaaggacct cttccttgcc ttagggactg gcaaactttt ttaccatttg 180
 gaaggtaaaa ttgaaggacc aatttcggtg gtggaaggaa aacattgggt tgtattaaag 240

gaaaacaaag gcaatggttg acccgcttcc gggg 274

<210> 8512
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8512
 cttgatgatt gtactgtatg tgtccgtaga gctgatggct gctgtggtct atggacgttg 60
 gtggacgact gtctgtagat gaggaggaga tgaacagtgt ggggcagggt tggaacatct 120
 tgatgaatct ttgcacgctc atgtattgaa atcttagcat ca 162

<210> 8513
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 8513
 tgtataatgg ccctggacca tcttccatgc tggataggac ttataagtgt gtaatacaca 60
 cgtactatgg gcaagatgga taaagactac tgcctacata acttgatct atatecatca 120
 catcaaccaa tgataagtac gaatctatcc taattttaca aacatggaca cataacaaca 180
 aagatgtcaa tgtcctcatt caacagaact gaagatagat caaacgctaa accagactct 240
 gtctctattc cctcctgttg tgccacggtg catctctgcc gagacggtgc ctttatttag 300
 ttacaaaaca cacttgatgt atggcctacg cgtttaac 338

<210> 8514
 <211> 322
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(322)
 <223> n = A, C, T or G

<400> 8514
 ctggtccaac agctgagga tgttgagga atactgtact gccactcacc gaattaacgc 60
 ctgcaactat cagagatgaa caacataaaa aaaaacaaga agagaaaaaa acatagttag 120
 agaacctctg catgaatcat gataagcaca tatagaagaa aaaagatata aacgtggtag 180
 cgtcaatccg agagacgaca tcgccatgcg gtattgccag caaacacata tggactggac 240
 agcnagacat ggatcataat gatgaatgat catgcgctac tagactactg atcaatgggt 300
 ggacatagca gcanacactc ac 322

<210> 8515
 <211> 786
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(786)
 <223> n = A, C, T or G

<400> 8515
 tttttttttt tttttttttt ttttttttag tttaaagact atttcagttt tagtcagact 60
 acttcagacc tcagactcca gacttcagac tccagacttt agacaacaga ctccacatgc 120
 cacacaacag actttcagac tccagcttca gactccagac tccagatcgc aacttcaga 180
 caacagactc tagacaacac actccagtct ccacattcca cacgacagac tacagactcc 240
 aactccaga caacagactc cacactccag acaagagact ccacaatcca gacaagagac 300
 tccacactcc agacaagaga ctccacactc cagacaacag gagactttta gactccagat 360
 cagacttcca acttcagatt cactccagac ttcagactcc agaccagact tcagactcca 420
 gaccagatt tcagatttta gacttcagac tccagaccag atttcatatt tcagactcca 480
 gaccagactt ctgacttcag acttcagact cctgacctt ggcaacatgc acatggcang 540
 cccttcactt agctggtaga aggaacacag gcttgggaag gagatgtctg atgttcactc 600
 cctgacgaca ctcttacttg cttcaatgat ctctctgagc cttgggtggc ccatctgcta 660
 aacaaggatg agttatttgc tggggatgct aggagacttc tgccctatgc ctgcagtgct 720
 gctcatgttg ccccttggga attacttggt caacttcttt ctttcccact agacggggac 780
 tttttt 786

<210> 8516
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 8516
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 tttttcaagg atcatggatg tctcatggag gaattaaatc tcatgggtat tgattcattg 120
 cttcacgggg ctgaagaata atctgtgggt gatgtcctga ttgatgctga tatgacacat 180
 ctttgaggta agaacttggt tatgtccttg aactggatgg gattgttctt tgtgacctca 240
 tgagtatata catgatgatt cagctgtaga catgtgtgac atctcttatg gttaacatgg 300
 aggtggacat tatacctgat ggggcgaaca gctacttt 338

<210> 8517

<211> 274
 <212> DNA
 <213> Homo sapiens

<400> 8517
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 aaacgcctgg tgtgtgtttg tgtttgggct gagactgtat agagctggta gttttagtagca 120
 tgtgagagat tggagtgagt ctgtgtggct taactccttt ctcgttcgtc tgcgcataacc 180
 ggcatttagt ctcgtagggtt gattatggaa cttgcatgtg aggctggata ttgatgagct 240
 gtgtgtagtg cggctgatgc ttaatataga gtct 274

<210> 8518
 <211> 610
 <212> DNA
 <213> Homo sapiens

<400> 8518
 gaagaagtcc tggcaaaaat cagctccaca tccacagatc ggctcacagt tctcaagacc 60
 aagccacagt ctatacaaag ggatatacatt actgtctgca acgaccctta cacgttggcc 120
 cagcagctga ctcatataga gctggagagg ctcaattata ttgggccaga agaatttgtt 180
 caggcgttcg tgcagaagga ccctttggat aatgacaaga gttgctacag tgaacggaag 240
 aaaacacgaa acttagaagc ttacgtggag tggtttaatc gcctcagcta cttgggtgtc 300
 acagaaatct gtatgcctgt taagaaaaaa caccgagcaa gaatgattga gtatttcatt 360
 gacgtagctc gggagtgttt taacattggc aacttcaact ccttgatggc gataatctct 420
 ggtatgaata tgagcccagt ctctcgacta aaaaaaactt gggccaaagt gaagactgca 480
 aaatttgaca ttcttgaaca tcagatggga cctttcagcc aatttctata attattgaac 540
 agcttttctgt ggggccagca caaagtcttt aactgctcat agtagttaag aaaagatggg 600
 gatacatttc 610

<210> 8519
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8519
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 taccacgctt gtcgctatac gaagggatgt gattaactgtc tgtaacgacc cttactcgtt 120
 gtgtcaataa ttgactcatc tagacgtgga taggctgatt ca 162

<210> 8520
 <211> 466
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(466)

<223> n = A, C, T or G

<400> 8520

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aacttttgca gaaaacaaa ttangaagac ttgctttacc aaatatcgag atatgtgttt      120
ataggaatt cactgagctg acattaatgt gttgtgtatt tttttggca gagttgatcc      180
ttactngaga gtgggtatgc atgagtgtgt gtatgtgaga gtgagtgtgt gtgtgtgtgt      240
gtaaaatgga ggagaggact aaaagtgtga ctagaagcag ctggaagtag canngagagt      300
ggaagttagt ccctcgagt gtttgcaaag taagacatgc ctgcccagca ctcttcttag      360
tgtatagtgg ctacaaatag agtagagaac agactccagt cctcaaagac tttcagtctt      420
gcgagtcaac tcagactcaa atgtagaact ggaaggaca gtgccg                        466
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<210> 8521

<211> 210

<212> DNA

<213> Homo sapiens

<400> 8521

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atgcacagtg cacatatctg gtacaagcta aatctggggc gcatcacagc caatggtaaa      60
ttctacagtc ctttctotta cggatcataa tgccttgatt gtaagcgctg cacatacctc      120
agggtcgcca tctactgtag ataaaaaaca actgtggatg actataacgc catgtgcagt      180
ctcatggggt agaggcttca ctcgtttaac                                       210
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<210> 8522

<211> 514

<212> DNA

<213> Homo sapiens

<400> 8522

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tgcacattag tacatthttc ttaatggtgt aatacttgcg tgtagctgaa ccaatcatgg      60
atactaccat atcataaaag aacatgacta tatctcgcgc tatcatccat taaactatta      120
cctttcacag ctaaggcctt gacctatgcc tgaatgatgc tgttacataa gctgagataa      180
tacagccatt tctgtgtcat ccatcaggat aaacagtatc cacgttctac gagctgtgta      240
gcgtgcaacc aatgccagga gtacatactg tatgctgtgg tcggagcttc tgctaaccac      300
tctatcatgt ggaagatgga taatagctta tgggggaagc cagacaagat tgataaaacc      360
actataggtg cattgacatg tctagctatg tggtgaggaa tgtgactata catcgtgtga      420
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tgatagttgg gaagtatgcg ctcaatatag gccatctgct ggtctgacag aatctcagac 480
 gtgaccacgc tacgtaccag ccacggccgg ccgg 514

<210> 8523
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 8523
 acttgataca ggctctgaca ccagatgacc tgtagagtgg ccacagaagg tgggcaacac 60
 actaataggg tacggtggaa aaacatatgg cggagagagt gacatgatga tgatttcatt 120
 taggaagatg actacaaatc tatcataatt gtacaatgta cgtactccta gcatatcgcg 180
 tatatgaccg tcgatcattt caacagaaat gaaagcatgg atgtcacgct aactgagcg 240
 taatgtatcg gatgcgctgg ctgtttgtgc gcgctgctgc agtcgtgtgc acgtagcggg 300
 gtgcgctctg acttgacgta ac 322

<210> 8524
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 8524
 agtacttggt tgggtggacct gaacctgatt ctctgtgaca gtggcgacta aaattgtggc 60
 accgcactta ctgtgtacgg aggaacaaac agactggcgt aggcactggg ctgtgcatgt 120
 ttgcatctat aaaacagact acaactgtat cgtgattcta cgtggtcctc ggctggcac 180
 actgtaatga gtgctgaatt cgtaggacag 210

<210> 8525
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8525
 agtactggtg tgttgaatcg gaaacctgat ttactgtgca gatggccgag ataaagaagg 60
 gcacgtacta atagggcacg gaggaacata gagacgagcc tatggcacta gtaaatgcat 120
 gtattgcatg tataaacagg actacaaccg tattctgatc ctacagcggc ccgacgcc 178

<210> 8526
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 8526
 aggtacacac tatgctgatg gcacttagta agtccagcgc atagacgaga cagactacac 60
 tagactctaa aatctgcaca cacttcacga aaattgaatg gtatgtggag ctgagaactg 120

atgagagtga tcagatcact tcattgcaac agatatgccg tcagatgacg aggcacctgt 180
 tcaactgcta agagccagac gtgccaacat gtctttacat aaatgggcat atgatgacct 240
 acgagaaagg aactaagtt aactgtgaa ccgtatgtca tgaatgccgt gtagatgacg 300
 accaag 306

<210> 8527
 <211> 626
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)..(626)
 <223> n = A, C, T or G

<400> 8527
 tgcaccataa tccctgacgt agatgaaatg ccagtgtcag gagaatgcag acatactcaa 60
 tgacaacata nattataaga tgaccactga agtcttggag gctgacctg atgtgcaatg 120
 atgagaatga taaaataaat aacaatgagc ttgatactgt tgaatagatg ttgcagctag 180
 acaagcaaaa atattgagaa agctcaagaa attcaataga aaatgtggga cgagttagat 240
 ctatggcatt ccacactaaa tgtagctgga ttctgaaggt tcagacattg ttgaacagga 300
 gccaggacac gctcacgact ggatggataa cttgatgatt gctttccagc agtatcagca 360
 ggtatcacag agagcagagt gtagaacctc acagttgaat agagccacag ttaagatgga 420
 agaatataga gaccttctga agagcactgt agcttggata gaanatacca gtcatttgct 480
 ggccaatgct gctgactatg actctttgga gacactgagt caccatgcta gcactgtgca 540
 gatggcttta gaagattcag aacagaagca caatctgtta cattgaatct ttatggatct 600
 agaagaccgt gaatagttta tgaaac 626

<210> 8528
 <211> 690
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)..(690)
 <223> n = A, C, G or T

<400> 8528
 gcggcgcgga ggtgannac catagtgcc tggcanaaga ttgaaatgcg ccaggtggna 60
 aggaatgtca gaaaagcttt ataagacata gatgagaaga ttancaatga agtcttaaaa 120

agctcaccat catatgcaat gangtagaaa aatagaagaa attaacaatg ggcttcataa 180
 tgttgaaaag atgttgacgc agaaaagcaa aatattgag aaagctcaag aaattcaaaa 240
 gaaaatgtgg gacgagttag atctatggca ttccaaacta aatgagctgg attctgaagt 300
 tcangacatt gttgaacagg acccaggaca ggctcaagan tggatggata acttgatgat 360
 tcctttccag cagtatcagc aagtatcaca gagagcagag tgtagaacct cacagttgaa 420
 taaggccaca gttagaatg gagaatatag tgaccttctg aagagcacnt gagcttggat 480
 agaaaatacc agtcatttgc tggccaatcc tgctgactat gactcttttg agacactgag 540
 tcaccatgct agcactgtgc agatggcttt ggaagattca gaacagaagc acaatctggt 600
 acattcaatc tttatggatc tagaagacct gtcaataatt tttgaaacag atgaattaac 660
 ccaatccata caagaagtaa gtaatcaagt 690

<210> 8529
 <211> 562
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(562)
 <223> n = A, C, T or G

<400> 8529
 gtacaccata gtcctgcag acattgagat cccaggtgga ggactgcana agagctatat 60
 acaacataca tgataaggag atcagtgaag tcttgggaag ctcaccatca tatgcaatga 120
 tgagaaaaat agaagaaggt aacaatgggc ttcataatgt tgaaaagatg ttgcagcagg 180
 agaagcaaaa atattgagaa agctcaacac attcaaaaga agatgtggga cgagtcagat 240
 ctatggcatt ccaaactaaa tgagctggat tctgaagtgc gagacattgt tgaacaggac 300
 ccaggacagg ctcaagaatg gaggataacg tgatgattcc tttgcagcag tatcagcgag 360
 tatcacagag agcagagtgt agaacctcac agttgaatag agccacagtg aagatggagg 420
 aatatagtga ccttctgaag agcactggag cttggataga aaataccagt cattggctgg 480
 cgaatgctgc tgactatgga gtcttggagg aactggagt caccatgcta aactgtgca 540
 gatggcttgg gaagatcaga gc 562

<210> 8530
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8530
 tacactgtgg aagctgcagg agtggtgacc gcactcgggtg gactgtctaa ggactactga 60

atcattatct agacaacaca accagtgagt ctgtgagacg gaagcactat aagcactgat 120
 gtagtaatga taaaggaagg taacatatgc agcttcatga atgctgtaag aagatgtagc 180
 gacaagaagg aaga 194

<210> 8531
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8531
 actgtgggtg ctgagtagtg gactggaccc gatggcctgt taagcccatc tgtatcagtc 60
 gaacaacaca gccatgtagt thtagcaggt tgaactgaca gaatggctgg tgtcgcgcag 120
 ggcagtacat aacctgaatc gcttatgcat gtgttgcccta gacacagaga agcaattcaa 180
 taaagtatga cccc 194

<210> 8532
 <211> 402
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(402)
 <223> n = A, C, T or G

<400> 8532
 acacggtggg aggctgagta ggggtgacga acctgcattg actgtatata ccatctgtca 60
 cattatatcc aacacaagaa tatacactat agcaggttga aattatacaa tggatgttgt 120
 atctcagatc tgcacataac ttgcacaact aattgatgct tatataaata cataaagaat 180
 aaatangaca ataagtcaca cttgaatata cgttatgtga tgatgagagc actgagagtg 240
 cgtccagatg tcctcagaac atcactgagc aggaatgagg tggctaatac tctatccact 300
 cagacataac agacaaacga ggcaçacgtg aacagnacc gaggatcctg actagcagac 360
 tagggttgcc agattcaaca gaaaaaatc caggattgac ac 402

<210> 8533
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8533
 gctcaattga tacataggta aatatacata acccagattg ctactaatag accaaaacat 60
 cgacatatgc ctattgtcac gtatatatac tactggcata gtgtatatct attgaaagtt 120
 gatgggatgg cacttcttgt cggataactg acacaaaagt gagggactca tagcaata 178

<210> 8534
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8534
 agtgccactg agcacagagg acacatacct gaccgatatg tgactaagat ctcaacctac 60
 gacctgtggt cattgtaacg gtatctagat gtggataagc gaccatcaca ctagactgtc 120
 gtgctatggt cccgctggta gggacctctc acctggggag tgccgactaa gcttctc 178

<210> 8535
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 8535
 gagtactact gaaatcaaga atacatgtct gtoggatagg tgacagagta actctacgca 60
 gaacgtgagc acgttggaac ggatgcagat atgtacataa gagaacatca ccaagagct 120
 cgtggcccat cagcgcacgt agaagactaa catactagtg aacgaaagcc cataatgcac 180
 ctctcaatg gttaggcctg tagcacacac tcgcttgaga ccctgaccg ctaatgctac 240
 agacccgaga ccaccggcac cctgtacctc ggtcgtctcc acgtaatca ctactgaata 300
 cacggacgcc ggctagtcta cgatatgggc atagctctca acggcgctgg cagcatgagc 360
 tgagtattgt atagtgtgat cgaaatagct aggcgtatgc atggacatag ctgataactg 420
 tgtgaataca gtatacggtt gaaggtacct 450

<210> 8536
 <211> 161
 <212> DNA
 <213> Homo sapiens

<400> 8536
 gtgccacggt gccggaggac acatgcctgg cggatatgtg gactcagatc tcaagcgaga 60
 acctgggcca ggcgctacgg atgtagatgg acataagaga ccatacacac agacttcggt 120
 ccacgtccac gctggtggga aacaatcata ctggggaacg a 161

<210> 8537
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8537
 atgtgctgcc gatgtcataa gtgcatggct gttgggatgg ccgcagaagt ggctcgaaca 60
 gacagtttat aagccggtac agttaggtgg agcacataa caaaaaacac acaggagttc 120

tttccacatc atgacctcgg tgaactgaat cattgtgctt actatggctt atgtctacac 180
 ccactcgagt atgaccatac agaaccatac tcagcagaca gacgaa 226

<210> 8538
 <211> 370
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(370)
 <223> n = A, C, T or G

<400> 8538
 ccgacgtgtg cgtaaagacg ggtgtcagta cagactgtga tgaaggctgt tggagagact 60
 ggctggaagc gtatatgacg ttgtacaaga cgtgatacac atagataata tatacacgct 120
 gctaactgtg acacatcatg ataatgtact gtaccocgtgg tgttgtgctc tagcttgctt 180
 ttgcacgcac atngagtacg taacatagat cctgaacatg gactgaccag atccatagta 240
 gaatctgaac ttgtacatct cggcgcatac agtgcataata tacacatgat gctgagccan 300
 cacacaaggt gctgggagct gtggactaga cctactggca gctgctgact caggaacgga 360
 gcatgagtgc 370

<210> 8539
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8539
 atatcggtag tagcagtgca ccgcgaatag gtgtagctc aagaacgctc tgacatgcta 60
 cgcactatac ctgaacagcg ccggggagga tgaggggctc atgggcaaga tcagcgtgga 120
 ggactagaag aaagttctgg acaagtgata tgaagtttta ta 162

<210> 8540
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8540
 actatgagat atggacacag acggtgtgag tgtgtgtgtg gggaatgca aagcggggtg 60
 ctgcttggtg cgtttagtga taaggcaaac tagctgaagt gtttatcggt tgacattaca 120
 gtgttgtttg ttagaagtgt gatagctcat aggtggtgac taatattggt ttattgag 178

<210> 8541
 <211> 194
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(194)

<223> n = A, C, T or G

<400> 8541

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taaactagac ccaaaccacg acactcctca tcacgcaccc caccaggtaa cagccttaac      60
gctgcataca aagtggtaaa gcgaagggca cgcaacctca tataaagaga cctgtgtgat      120
cctcactacc cagcgactgc cggataacac aatcaacacc tacaccatca cggcaangac      180
tacacgcaca gccca                                         194
    
```

<210> 8542

<211> 226

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(226)

<223> n = A, C, T or G

<400> 8542

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actacatgat gcacanaaat actcgcacta aaacaacaca cataatcacc actatttgtgt      60
tctatgacat acatgtgtta cacatgatca tactaatggt aataaggcaa tntaggttaa      120
cactgcgcat acgaaatgcc acctaaaacg tgcaagaaag aaggacagtg gggaggagca      180
aggacacaat aagcagctct tgaaaggaac caatgaagca cctata                          226
    
```

<210> 8543

<211> 178

<212> DNA

<213> Homo sapiens

<400> 8543

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tcaggcggat ctaaatagat tagttaagaa aaaagatatg ggtgtgatag tccgcagtga      60
gatgtggtgg gggagtgtgg cttgcgtgga gaatgggtgg ttttgaagac tgagtgggta      120
tggggcgggg gagggagagg cgtgggtggc tgtgggggta tggggggcgg ggtgacgc      178
    
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<210> 8544

<211> 210

<212> DNA

<213> Homo sapiens

<400> 8544

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gtggtatttg ttgcagtatc ggcattgtaa gatgaaacta ttctgccatc ttactattat      60
tgtatgtggt ttcatcatt ggagttgggg gatggtttat gttggattac ttaaagtaaa      120
    
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taataacttaa aatccaaaaa aaaaaaaaaa aaaaacaaaa aagcttgtag ctgcccgggc 180
 ggctgctcga tactgatggt gtagtggtggg 210

<210> 8545
 <211> 610
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(610)
 <223> n = A, C, T or G

<400> 8545
 caggtcacac agcacatcag tggctacatg tgagctcaga cctgggtctg ctgctgtctg 60
 tcttcccaat atccatgacc ttgactgatg caggtgtcta gggatacgtc catccccgtc 120
 ctgctggagc ccagagcacg gaagcctggc cctccgagga gacagaaggg agtgtcggac 180
 accatgacga gagcttggca gaataaataa cttctttaa caattttacg gcatgaagaa 240
 atctggacca gtttattaaa tgggatttct gccacaaacc ttggaagaat cacatcatct 300
 tannccaag tgaaaactgt gttgcgtaac aaagaacatg actgcgctcc acacatacat 360
 cattgcccgg cgagggcgga cacaagtcaa cgacggaaca cttgagacag gcctacaact 420
 gtgcacgggt cagaagcaag ttaagccat acttgctgca gtgagactac atttctgtct 480
 atagaagata cctgacttga tctgttttcc agctccagtt cccagatgtg cgtgttgtgg 540
 tccccaagta tcaccttcca atttctggga gcagtgtctt ggccggatcc ttgccgcgcg 600
 gataaaaact 610

<210> 8546
 <211> 311
 <212> DNA
 <213> Homo sapiens

<400> 8546
 cacatctgta gactacgtgt tgcgtggaga aggtgtctgc catgtacgct gtgtacttct 60
 acggcttcaa cttgatttag cgccgtggat gatgaggggc tcaggggaag aatgaatgaa 120
 gattgatgaa acattgtggt ggtcaagtgt ggagcatggg tgtcgtggct ggacgcaact 180
 ttgttgctg acaatgtgca gtttaagcac aacaagaaag agctgaagca cgtgtgtaac 240
 accatcatca gctgactggt gctgagatgt agagcggctg tacctcggcc gcgaccacgc 300
 taatcactag t 311

<210> 8547

<211> 306
 <212> DNA
 <213> Homo sapiens

<400> 8547
 caagcttttt tttttttttt tttttttttt tttttttgga attttaaagt ttttttattt 60
 tgaattaacc aatttaaaaa atgggctggg gttaagggtt ttaaaaaaaaa aaaatagtg 120
 taaaaggcg gtttaattta ttttttgctt gtaaaaacgg gaaaaaaagc aggttaagtc 180
 cttgccgggg ggggggttg aaataattat ggaatttggg ggggtttgga gggggagctt 240
 agggggaagt tccaaagggg tgggttgaaa agttggagtt tttttgggg ttgttataaa 300
 agttgg 306

<210> 8548
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8548
 cactctgatg gtgctattat tgtggcagtc tctttccttt atttgaactt atctttgaag 60
 aaaagaatat ggcagatgct gacatagcat atgaacatta agttgaggag tctttattag 120
 ctaaatagct caaaatacag gtggtgaatg ttgagctgcc tattgatggc atataggaat 180
 gagagatacg tgaa 194

<210> 8549
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8549
 agttggcaaa agttcactct ggggaatttt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt 60
 gtgtgtgtgt gtgttttggg aaggggtggg tgaggaagaa gagtgctagg ctgggtgttt 120
 cttactcaa aatggaaata ctgcccttga ttcattctca cacgttatgt gaaaatacat 180
 catagcagtc ttggaaaaga tctacgtott ggttctgttt agattt 226

<210> 8550
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8550
 tgtcgtttgt ggggtggttt gtgtgttttg gttgtcttcc tgattctggt ctggtttttc 60
 tctttttggt gtttttctat tgcgatgtg gtgggtgtgc ttgtttctgg ttccggttgg 120
 gttgggttct ccttcgtggt gttggttvtg tgctgtgta ctgtttttct ctctgctg 178

<210> 8551
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 8551
 cagggtcacac agcacatcag tggctacatg tgagctcaga cctgggtctg ctgctgtctg 60
 tcttcccaat atccatgacc ttgactgatg cagggtgtcta gggatacgtc catccccgtc 120
 ctgctggagc ccagagcacg gaagcctggc cctccgagga gacagaaggg agtgtcggac 180
 accatgacga gagcttgaaa tctggaccag tttattaaat gggatttctg ccacaaacct 240
 tgaagaatc acatcatctt agcccaaggt gaaaactgtg ttgcgtaaca aagaacatga 300
 ctgcgctcca cacatacatc attgcccggc gaggcgggac acaagtcaac gacggaacac 360
 ttgagacagg cctacaactg tgcacggttc agaagcaggt ttaagccata cttgctgcag 420
 tgagactaca tttctgtcta aagaagatgt gtgagttccg tcctttgtta ttatttttaa 480
 tgtcttaaga tttatttctg taccgtaata ttgacttatt taaagtgtgt aatcaacca 540
 ccttta 546

<210> 8552
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 8552
 tatatgcgga gatggactct actctgcttt ttctatagg acttcatgtg tgtgtgtgta 60
 tgtgttaaag atgtgttgtt ggtttccata aggaattct ggaaatcaaa tgtggtatgt 120
 ttatgtgtac ttgtaatcag gttgtcagtc ccttgcctgat atggctttgt tttgtgtaga 180
 tacgaaggaa tcttaatcct cggggtggga tgaagagaga attatctata ttctttgaac 240
 gcgttgtttt aagaatca 258

<210> 8553
 <211> 626
 <212> DNA
 <213> Homo sapiens

<400> 8553
 atttaaaatt agtccccttt atgcatttta ctctacatgt gttatccttg caaagaaaaa 60
 gactgacatc tttgagagca agagtttttg tcttattcac ctctgtataa tttccaacat 120
 cgtgctttgc acattggaca ttcaaaaaat gttatacaag attgactgca tcaatactgg 180
 agtgttgtgt gagggtagg tgctgaggct gagaagtgtg tgagggagac ctgagattaa 240
 acctgccaca taaagtggag agaagtagca aggtcagggc tatgaaataa tcccaaaaac 300
 tttagaattt ctacataata cagttgacac tactattctc aatagagctg ctttcagtct 360

caaagggctg tggatgtgt gcgtgtgtgt gtggtaaaaa agggaagcag caggggaagg 420
 aagagaagtg tgatttcaca agacttaagt aatcctgtca ttgctgcttt ttctgccaga 480
 aaattattac cttcccttta aaaatcattt tcatatacat ttactaact tccatgtcaa 540
 tttcaccett ttttttctaa taatagctac tatttattcg ggaccaacta gtatacttag 600
 gactatgctg ggtgctggag tgccaa 626

<210> 8554
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 8554
 agacacgggg tgactgagga ggaagttaga cggaggacag ggaacgaagg ggaggcaaac 60
 aagtcacgtg agatatggac caattgctta aagatgctac aacacatgtg gaaaagtctc 120
 tagcatgatg gcagggagtg gggcgatgta tggatactga ttgcaatgcg cactgagtca 180
 taatctgggc aaaccatgag gccgacatct atatccgaag agcggaaaact acagggagga 240
 tgtgttcggt gctgactatg tgaatgatct aattccacca gagctgcaag ccatggacca 300
 tggtcatgca gaggaagatg cctaccacac gctaaggata aagccagatg acctgatatg 360
 tgacatggga gtctaagatg tctgctcctt gttctacata tc 402

<210> 8555
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 8555
 gtacaagctc ttacttctat tgatcctgta tgatctttca cggttctttc ttgggcctca 60
 aaaagagaca cttattaata gaaaaaaaaat gacaaggatg tccatccttt ggctcccttc 120
 cctccccctt cctgctgctc cctaaccctc actatattga gccatggctg gggtgggtg 180
 gcaggacagc caaaacatg agggcaacaa cattgagggg cataacacta atggaggtgt 240
 agcataaggg cccaatggct cgattagacc tctggtctct cacagatatt 290

<210> 8556
 <211> 658
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(658)
 <223> n = A, C, T or G

<400> 8556
 cagtctttct tcagtgggag cccaggattc tgaatctacc tctttaacag atgaagatgt 60
 ctgccatgag ttggaaggac ctatctcctc tcaagagacc agtgetactt cagggactaa 120
 gagaattgat ctgagccgaa taagcctgga aagttctgca tccttggaag gatctctgtc 180
 gaagtttgcc ttacctggga aatcagaagt gacatcttcc ttcaacgga gtaatacaaa 240
 tatcttccag aactatgcaa tggaggttct catctcaagt tgctctoggt gtagaacttg 300
 tgattgtctt gtccatgatg aggaaatcat ggctggctgg acagcagatg attcaaatct 360
 caatactaca tgcccattct gtggcaatat cttcttacc tttctgaata tagaaataag 420
 agatttaaga cgacctgnaa gatactttct aaagtcaagc ccatcaacag aaaatatgca 480
 ctttccatcc tccatttcaa gtcagacgga gcagtcttgc atttcaacat cagcctctgg 540
 tcttgacaca tctgctctct ctgttcaagg gaattttgat ctaaatagca aatctaaact 600
 gcaggaaaat ttttgacccc gaagtattca gatccctgct aatagatcaa aaacagct 658

<210> 8557
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 8557
 acacgtgcag catgtcagct cagagcaaac gtaggggcct gggccaaga tcagtgtcca 60
 ttttgccat tacatatgac ttcataaagt gactttggtg gtctgtgatg ccagctctct 120
 gaaatgtgca cactaacata aactgggatg gaatacgggt cgtgtgacag actctggaac 180
 aggctctgtg gtaccagcat atatggagga gcaaggacc ggagctgaga atgagccatt 240
 ggcgatatga agaagagctg ggtggtgcac tcgggcatag atcgccaggc ttgtatattg 300
 cacgtgtcgc atgctctagg cacgttccac tgccaagtgt gactaggaaa atgaccacac 360
 cgatgtatat aatgatgagg aatatggagc ttgcgagcct actgtggaca tggctgtgga 420
 gatgatgggt gactactgta tcgaggccaa gcacagatag tctgggacat ggtaatgaac 480
 gagtcggtca cgatacagat gcagatgtta tgcagcatgt cagctgtact actatgagac 540
 gacgga 546

<210> 8558
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 8558
 tgaatttga taatatgtga ctgaaacacg agtggcaata aaaaagcaaa catgaactct 60
 ggggtttaat agatcattac atcagtatca tagaccatgt gactgtgggg cttataactt 120

gtgtagccta atgaagtgcc aaaaaagaga attatgattc aaggggagcg gatgaacacc 180
 actattacag ttacagttta tgctgtatat ggattacatc aaacaacaa agaacttgct 240
 tgcgaatata ttatatatgc tctgtgaata acggatatgt atgtagtaga ctgtactcat 300
 gctaatacaa aatgctcagc gatatataca cgaatgcgac tggacaaact gattccttca 360
 gttactgatg gaagggcggc acgatcttct gaatatattg catacctgac atactgacgg 420
 gaagaggaag tgatgagaag cctataaaaa 450

<210> 8559
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 8559
 cacatgggga ttatattttg tattggcaaa atgagaccac agctggcctg ccatcagatc 60
 aacataaaaa ccagtattat ggtatatgag atgaatggat agaggtgggg tttattcctt 120
 attatagaga aacaaatgta tgtcttcac cagtcttatta gggacatgaa tagacgaatg 180
 tacaagtggc ttgcctacga gcctgtgcgc ttggcctacg agatcaatag ggggagacag 240
 aaggaataaa cgatggggtc tggacaactg aggt 274

<210> 8560
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8560
 acgggggggag gcctttcgtg cgagttttgc ttcacaagga aattagctgg aaaaggcttc 60
 ttaaagaaac acaagggaaa aggaaatagg gcacaaggta ttattgaaat tcttttaaag 120
 agcagtagga gcttgaaagt ttagaacctc cattatgaat tccaaccacg gaaaagcc 178

<210> 8561
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8561
 ggtacacaa gttcatacag acatctgtca tattctgagc agcacatatg agagaagctt 60
 tgtgttctcc ttgctctctt gcatgtttgt tttgagcttg tggctccaca gagactctca 120
 tggatttatg acaaaattgg catgccaatg atttttgaaat cataaactgt ctattattat 180
 gctgtagtgt ggta 194

<210> 8562
 <211> 322
 <212> DNA

<213> Homo sapiens

<400> 8562

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actactgtag tactggaatt tttattgttt taaatgggta gaaaaatggt aatataataa    60
tatatgatat ataaacttta aatgaaaaaa aatgatgtat tgtagatatt tgatgtagtt    120
ttatTTTTTTA aattaatcat aaatcagact ttgattgtat tgtagtgata tatgactttg    180
aatatattat aaatgggaaa tgttgatttt ttaataatag acttatatgt aggggtgttg    240
tgcggttatg ttgtgtgagt gaagtgtttg gttttattta gtgtggtggg gtttatttaa    300
agaaaaagaa ggtagtatta gg                                           322
```

<210> 8563

<211> 354

<212> DNA

<213> Homo sapiens

<400> 8563

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gtgctactgg gaacataatg ggtcagggtg ctatctaaca cgaatgatca atgtgactac    60
atctgaacat ggtgttcagt gtgtgagact cacacagagc tttaccaggg tgtgaagatc    120
tgctgtgtgt gcgagcttct tctattaatt aggaggactc tgtgatggac tgacctggat    180
ggcatatata tgggtcgatt gcctcagcag atgagtatct gcagataaag cgacgttatg    240
aggtaggtga agatcaagac aacaacatac cttatTTTggg acgactgagt atacacagtt    300
aatgagcata aacgaaatgt tatatatgat gagtgagctg atggcgagaa acag       354
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<210> 8564

<211> 226

<212> DNA

<213> Homo sapiens

<400> 8564

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gtTTTTTTTTT tTTTTTTTTT tttttccage tcaacccttc tttaatgtca tccagggagg    60
gggccaggga tggaggggag ggtgggagga gcgagaggca gtgattgggg ggtgggattg    120
accacttggt ccatgaagag gggagactgg gtatTTTgggt caatcatata aaaagacaag    180
ggggtgggag aactggacct ggggggggat aggacggggc atgggc                226
```

<210> 8565

<211> 370

<212> DNA

<213> Homo sapiens

<400> 8565

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acagaggacg ggaacaacaa agagtctgtg aacacacatg caaaaaaact ccataatctt    60
atgtacgcag actgaataat gatctgctgg gatgggaaaa tgacgcaaga acacggatgt    120
cacgaaacat accgtataaa cgaggtgggt aatgaatgta aagaaaagct gtacgtagtc    180
```

ctgcagagga tgtaacatga agatcaagca gctgataagc tggcagatga catcacacaa 240
 tacataacag cctgcaacaa ttatatcaga tagagagaca gaacattatg atgaggaaca 300
 atgaaatgat agtgatacag acaacgatgt agagaccata gcttgaaatg atggaagaaa 360
 gtgaagtgaa 370

<210> 8566
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8566
 caactaggaa atatcggaga atgagactca gaagtatgct atgggatgct accttgaagt 60
 cagaataacg ctgtgtttac catggaataa acgttaaatt actgttgctt tttggataag 120
 tatgtattac ggcattgctc acgataaac cttgtcgtatt taaatttgat tttttgtttt 180
 cgtccatcta atgcattaca tgctcatctc gaaagactta aaatat 226

<210> 8567
 <211> 194
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(194)
 <223> n = A, C, T or G

<400> 8567
 acggatgatg aaatgatgac atcatctacg agtgcattgct tgtaaaggac agcttagaac 60
 agtcctatat gaacaatcac acctatcatg actggataaa ngaggcctag cgttgggact 120
 gatacacaca caacaacaca gtgaagatgt ttattngagt gtatttatte tgatgccata 180
 ggtaatgtag tttt 194

<210> 8568
 <211> 578
 <212> DNA
 <213> Homo sapiens

<400> 8568
 ggtacaatac gtgcattcatg actgtcatta gaaacttggg gctatgtggc caagttcact 60
 gttcattttg gtttttccat tttcattcag aaagtcctt tgttggtctg tggagaaata 120
 tatatggaag tgtcacagta acatacactg tgatgtaatg tgttttatgt actgtttttg 180
 agacaggctc tgtgacagt atcatatgat ggaggagcat aggacgagag cagagaaaga 240
 gtcaagataa agccgaacaa gaccggaaat ccggaattgt gcacagatag ataaggctac 300

cctagtcagt gacgcaggat acagaagtgc ttgatctact gtgcttaggt gttttattta 360
 tatttagatg aaaaaaatga taaccacat ctaaagtcac agagatgctg tgaagagatg 420
 tggaagcaat gtgagtgttt tgataataac ataaaggact gaaagggggg aaatagtagc 480
 ctataaagta gttaaggatg catatgaaca taaaaaaca gagcaagaaa cgggaaaaaa 540
 agaaaaagaa ggaggggaacg aagagcaaaa aaaagaga 578

<210> 8569
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8569
 aaaaaaaaaaaa aaaagctaga acaagtcccta tttgtttttt ttcttttttt gtaatgtgtc 60
 caatttattc aagatactcc aatcaaaaa cagggcacia caccaagccc gcggcccaac 120
 acgcgacgga caagctgaaa atgtttttta agcaagtggg ggtattttt gttgaggcgc 180
 gacgaagaga gaacaaaaaa ccacacaaaa caaacaacga aaaaga 226

<210> 8570
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8570
 acagtcacag atgaaacaac atttgtaagg accatttatg taaactgctg agatgttatg 60
 ttttcatttt ggttttcaca gacacattca agctctgtcc gacatgccat taaagcactg 120
 gctcagaccg cacgcatatt ttcatttttt aagtaactgg taagtatttt ttttctcaca 180
 aacgcacacc ggta 194

<210> 8571
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 8571
 cagggactcg ggctaagatc atgtgaatcc agtggatgtg ggtcagatat ggacagtgtg 60
 tgactagtgt cattaatcta tgactgaatg ctgagacaca cctggcggta ctagaaggaa 120
 tgaaccaca aaggaacgca ccagcaatgt gttcatgaca catatgatgt tttttagtat 180
 atcatacaca cgcgagaatc atcactcgca gacttagcgg cagagaacta tagagacgac 240
 gactgtcagc gagcagccga aggtggcact ccaa 274

<210> 8572
 <211> 274

<212> DNA
 <213> Homo sapiens

<400> 8572
 gtacaagcct tttttttttt tttttttttt tttttttttt tttttttttt ttttttattt 60
 taaatcaatt aaagatttat gaaatttatt ggggtacagg gaataaccgg gacaaaaggg 120
 ggagaaaagt tggtaaaaca agtgtatttt aatatttcta tacaattttt tttgtgtaca 180
 tatttgggaag tgatgggtat ttaaaaaaac cgcatagaaa tccacaacct taaatattct 240
 gcaaaacaaa acattaggtt ctctcttcct taat 274

<210> 8573
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8573
 gttaggggga aaattattaa tgattaattt ttatttttgg gtgtattggg atttgtgttt 60
 cttattgtat atattgtgga aggtgttggg agtgaagttt ttgattttaga gatttgtgtg 120
 agttttatta ttataatgat tgatagttgg tagaataaag ta 162

<210> 8574
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 8574
 aaggcttttt tttttttttt tttttttttt tttgggtggg aactcatttt tttattctta 60
 tatattatat attggatata tttacgaatg ggatactttc catttggggg cagtgcacagg 120
 tggtaaaaaa atttggaaac atcaggtctg aaatagtctg agatgggatg gacttataag 180
 gggcaactgg cacattcaag gactgtatga aatggcatta aaggactggg ttacaatgga 240
 ggggtatctc taaaccggga gtaactggaa cgca 274

<210> 8575
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 8575
 ggtattgatt atggaaaaa tgaatctggt taggggtttt ttcccttaa ggaaggggaa 60
 gaattttttt ttatgggaaa aaacaatagt taaaaaata aattgttttt tgggaataaa 120
 taacacgtta aatggaatgg tataaaatat agatattttg ttaaaaaagt ttacctttgg 180
 gtataataac aaaaagggga atgggttttt tttgtaatga aggccggggg ttatgtggaa 240
 gcaaccaata ttaagggggg tgggctgtcg atttagcttt gggttaaaaa aatgggtttt 300

ggggctgta attgttattt ttagggggga aaggggggta gaaagttgtt ttaa 354

<210> 8576
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 8576
 gcacgattag gaatttatgc ctattatcat agggatcgac atggtcctct tctctctcac 60
 ctgtgatgct actgatatct tttgtcatct ttctgattgt gggatgagga aagtcttcat 120
 gtttttatga tatctctaact cttgtacacc tcggaggagg tgtgttttca tctggggcac 180
 ttgtaatggg ggagctttgc tcgatatgcc atttttgcac tggataagat agtaagcata 240
 tttggcaact ggggggcaac tggatagcat aaattaaatc ttaaagctg gttgtgccat 300
 ctatggaagt aaacataatg accaggggat aatgcctagg ctgggtgagt atatcggccc 360
 tgaaatatag gcttgtatgg gcatattctt ggactaattg ccacaagacg aaggataaag 420
 agaaaataga acag 434

<210> 8577
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8577
 ctatgttttg ttgattatgt tgtattagtt agaatggat tgttttgtt ttggttgttg 60
 ttaagtgtgg tgttgtgtgg tgttgtgatg gagttgtttt ggtagaagtg gtgtgtgagt 120
 tgatcgattt agtaggggat gtttgataat gggttaaatt tatgtatgtt agggtaatat 180
 gaatgattta aatgattttg tgtgaaggag agattttatg aatgaaaaa gaaaggtaaa 240
 at 242

<210> 8578
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 8578
 ctcggagggtg ttggcttggg tgatgcttcg ccagggtgagg cgattggtgt gtgcgtgtca 60
 catacttttt ataatcaciaa ttcacatcca gtgttgagct tgcggcgttg ctgtggatga 120
 acatgccaca cactgtccga cagggtggaga gatattgtga aagtgtgggg attggtgagt 180
 gagtggtttt gtgtgatgaa tctggcgatg tactttgcgg tcggatgagt ggtgtctgaa 240
 tgagtgcgtg aaggctctga catatttgac aggagtgggtg cgttttgtgg ttagtgtcac 300
 cgtacgtgat actgatatgt gatagtggag gagatgattg tgtatattga gaggatgggt 360

caagagtgaa gtgaaagaga gaaaaagttg ggagggagtg gagagattag aggaagatga 420
 aaaggggatg tgggtgtgtg gtatgtgagc 450

<210> 8579
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 8579
 caggtacaag cttttttttt tttttttttt tttttttttt ttttttttta atttaaataga 60
 aataaagaat atgaaaattt tttgggttca ggggataaag tggaaaaaat ggtggaaagg 120
 agtgggttaa aaaggataaa taaaatataa taaatattaa ggttgggtaa aaatttggtta 180
 aggaggggta tttaaaaaaa atggaaaaaa attcaatact taaaaatttg gaaataaaac 240
 aaattagttt ttttttatat aaaaaagggg gggggaatgt ggtgggggta 290

<210> 8580
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 8580
 aagctttttt tttttttttt tttttttttt ttgggtttaa ggtttttttt tgaaaaaaaa 60
 aaaaaataaa tgggggttttc atgttttttg aaaaagaaaa aaaaaagggg aggggggacat 120
 tcccattggg ggaaattttt ctttgggtta aattatttta attatgggaa tgaaaactta 180
 tatcaataac aaggacatt aaaaaaatat taattaaaa aaaggaagg gaatgggggg 240
 agggagtctg gggttgggag ggaaggggtt tatgggaaaa cattcggggt taaggggact 300
 ttcttgaaa atttctgggt ttggggagat taagttaatt tcagggtatt caaatttctc 360
 gggcgggggg ccgatgcacc ctaatgatcc gaccactag cc 402

<210> 8581
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8581
 gtgttttttg atataatgaa accttttaag ggggttttac gcttaaagga tggaaatagaa 60
 tcttttttat ggcaaaagga taatgatcta agatataatt tgtgtggtgt gtttaaataca 120
 cgatttccaa tggaaatgta ttaatatcta tctgtgetca cgtagtcttc tctgtgggggt 180
 catagggata agtgcgattg ggtctcgttt gtagctaacg agaggg 226

<210> 8582
 <211> 338
 <212> DNA

<213> Homo sapiens

<400> 8582

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gcacggagga tcattgttct ctcttcttcc tctgcaggct tgacaagtcc atcttatatc    60
tttggtatat cagcatccgc acgttcatgc tggctaaaga agctatcttg gatgattaca    120
ttacatatgt tagtcttatt gtggggatac tgttttgccg atgatggttg tttgaaagct    180
gcgatttgat gtaccaagtt ttgattttct gccttttaa ttttttgttt tttttttctg    240
ttatgttgta gggtgatttg ttgggtggttg agtctttctt taccattatt gtaacccttg    300
tttatttttg ggatatttta tgtattgtat ttaatttt    338
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<210> 8583

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(466)

<223> n = A, C, T or G

<400> 8583

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cccaagactc tcatgattgt tcgaccttg gggctatttg ttttatgac atcattcaaa    60
tacctgcttt ttgaaadact aatgcctacc tgcctgggt ggtaacaatg ttgtaagggt    120
tgctcatttg agtgaatgta ttttatattt ttttcatctt ggtactagtt ttttgttatt    180
tctttcgtaa tattctactt gggtttgatg tatggctact atctcttatg ttttcaactca    240
tgtacttang ggcttttttag gttttagttg ttaatgtgtg tggatatttg ttctctatat    300
tgttcataga tttttattt actgattgta gtgttgtaa atttagatga tttcatgatg    360
aactcattaa ccaggaaatg gacgtgcgta atacgtatat tttttgtttt tgactgtgtg    420
ttctttaata agttcttgaa ttttctattg cgagtgttag atggag    466
```

<210> 8584

<211> 210

<212> DNA

<213> Homo sapiens

<400> 8584

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gttgtgtttg tggaaatgtg accttttttg ggggtttttg cttctagggg agtggatggt    60
tatgttgttt atggaatgag aatttttatg taaaaaatat tttgttttgt gtgtattaa    120
agggttatta gatgatgtgt tcttatttta ttttatggtt aagggatggt atttttgggt    180
tttatttaca agagagtgtt ggggttttgt    210
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<210> 8585

<211> 338
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(338)
 <223> n = A, C, T or G

<400> 8585
 ctggccttca aaaagtcgta gtggctatct tttttggaca aaagtaagaa atgttgcttt 60
 aggagtaaca cagttcaaaa gagcttttaa gaagcatgca cacttatcac aaacaactct 120
 ntcaggtggc cagtctgatc ttggatataa ttcattatct aaagatgaag ttagaagagg 180
 ggatacatct actgaagaca ttcaagaaga aaaagataaa aaagggagtg attgtagtct 240
 cttgtcagag agtgagagta cctcggggga agaagcatgc atgtctgtgc tgatcccagt 300
 gaatcctggg tccaggagta cctgcggtat ttatctttt 338

<210> 8586
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 8586
 gggttagtga acttgtgact tttgcatcct aatgtatgct aaaaaatttt tacttccaac 60
 accatgatat tatgagcgcac tgttttgtgc ttgctaataa tgctacctgg gctgtgatct 120
 acacagactg taagtctcat tggggacaaa ctgctccaag gaactgttgt gattgtaacg 180
 ctgctatcgg gatgaaacct ggcgcttcag 210

<210> 8587
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 8587
 tgattatgga atcgtgaata tatacaaggg ttttttcccg tataggaatt gaatgacta 60
 tttctgatgt gggacacatg ctctttgata taatacattg atgtatgtga ttgaattatg 120
 tgtctcattg atgatgatat acatactttg atatacatgt aatgtcttct ttatagtgtg 180
 atgtatgata gtgcaattgg tcaccatttg tggctgaggc taggggtagt ttggaggatt 240
 ccaatcttga tatatttaga gtatgcatca tacttttggg tgaaattatt cttgtcttgt 300
 gatatacag atattagctc aagggacttg ttatcaatgt ttttgtcga tgactttgat 360
 gatgttgcta tgctggcaca tctctcagaa gatgtcaagg gcacattctc agattgctcc 420
 acatcctatg cattctattg aaattctctg gctgcgtctc atcaca 466

<210> 8588
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8588
 gggtagatca gctgcgccca tcattctccga ctgcatgctt gacaagtcac atacttacia 60
 cacacgtata tcaccaaccg caccttgatg ctggctacia gagctaaata gggagataac 120
 aacacaccgt acggacactg gggacatatc gtaacacagg agtcataatg gagagaaa 178

<210> 8589
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 8589
 gtacaagctt tttttttttt tttttttttt ttttttttat aaaacaacgc aataccaacg 60
 aaatatgaga caaaacaata aaaaccaaag aaagaagatg gggatagtag aaaaaaccag 120
 gttgcttgca aaaaagacac atattacctt aggtcccccc aaagataatg atggactttg 180
 aaaaaaacca aaataaaata cggaaaataa atattaaata aataaaaaaca taaaacctac 240
 tgttataaat aacataaagg agagtttaac ttggatgaga tgcttaataa aattaaagta 300
 tgatgcgata agaataaaga actattaatt ggacaagtcg agagaggcac aaattactat 360
 gaacactaaa ccctccatga tgggcaagag gaaccggcaa cccagcggg gaggtttatg 420
 gtctgggggg acgtccgatt ccaggggaga aaaaccagag cttgtaaacg ttattgagac 480
 ttctactgga gagacgcaca atatatttca caccaatctg ttgtgggagg 530

<210> 8590
 <211> 386
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(386)
 <223> n = A, C, T or G

<400> 8590
 taccggttgg ggtcccaagt gacagtgtaa ttccaggggg aggtggagcg gctctcgatg 60
 ttacgtgaca tggaaacgcg ctggttttca ttgatgatgc caatgtcaag cttcatacta 120
 cctcctggca caggcgggca actctcangc ttttgaaaa aagtatgtcc tactttgggg 180
 attttccgag ctgccgcctc actcagaaag gcaagcccca atatcgacag cagcaagtac 240
 ttgaccatgg ctgggcatg caggtcttc actgtcatgt tgcgctggtg gcttactttg 300

tgcaggaagc tctttctgtg aatgtatctt cctgaccctg ccgggcggaa gataaaacaa 360
 aaacgagaag aacaagcaag acaaga 386

<210> 8591
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8591
 tattaaaaaa cctaattctt cacccaattt ttttaactctg ccaggaacac ccaataatat 60
 ttttaaatat atcactttaa tagacttttc ttttagatgt cttttcttctg aaaggaagag 120
 gtgatatggt ttcattattga tgtgcttaac tcaagttgat ta 162

<210> 8592
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 8592
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
 tttttttttt ttttaaacca aaatattttt tggaggatta tttgggggtt tttttaaata 120
 gaatgggggtg gtggaacagg gggccttttg ggtttggggg ggggtctttt gggggttcca 180
 tgcctgaatt ggggggatta aatttttagg gggcctattc gaccagttgg ggggggtttt 240
 tgttttttaa ccgtgggcct tccaatttta ctttttttgg ggcttggggg gggagcccaa 300
 tttggcacag ggggattttt ggaggggggg gggcttaaag ccacaggggg gggaaaaaag 360
 ggggctttca ttgggaccct ctaaaa 386

<210> 8593
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8593
 caagcttctt tttctttttt ttttcctttt tgactttatc acaaaagtcc aaattatgac 60
 ccatgaaaaa atagagcgaa ataaccttac tgatgaaaga atacatggac ctctgcatag 120
 atcacaagga catgggggga gaagggcgcg cccacgccgc ct 162

<210> 8594
 <211> 194
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(194)
 <223> n = A, C, T or G

<400> 8594
gaccgtccta agtaatcaca ccgtacactg cacacaaaca tgggcaacca gcagctgctc 60
ctgcatgctt taagtgtagg aatnacatga acatgaaata gtggacaagg agaaacaaca 120
ggccaaggaa ccagctatca taggacaaga cagaaatgaa aagacatgac caacgtactg 180
gagcggcgtg atag 194

<210> 8595
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(402)
<223> n = A, C, T or G

<400> 8595
tgcttaaccg atggctctga tgtggtcagt gaccttgaac acgaagagat gaaaatcctg 60
agggaagttc ttanaaaatc naaaagagaa tatgaccagg aagaagaaag ggaagagaaa 120
aaacagttat cagaggctaa aacagaagag cccacagtgc attccagtga agctgcaata 180
atgaataatt cccaagggga tggatgaacat tttgcacacc caccctcaga agttaaaatg 240
cattttgcta atcagtcaat agaacctttg ggaagaaaag tggaaaggtc tgaacttcc 300
tcctccac aaaaagcct gaagattcct ggcttatagc atgcgagcat tgaagacca 360
atagcaaact tatcagtacc tgcccggcgg gcgngtcag gg 402

<210> 8596
<211> 210
<212> DNA
<213> Homo sapiens

<400> 8596
tttttttttt tttttttttt tttttttttg gtttttttaa gtttttaaac tttttatttg 60
cataataaaa aaattgtgca ttccaataat taaaatcatt tgaacaaaaa aaaaaaaggc 120
actctgaata aactggatta cagcctggca ggacacctgg gccagcttgg ggctactcta 180
aatccactg gcggcccacc ccacctcccc 210

<210> 8597
<211> 210
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)..(210)

<223> n = A, C, T or G

<400> 8597

cccacactgt caaatgtcaa ctccaccagc atctganaac aatgagtagt atgatgaaat 60
 gtagaaagaa ggaaggtggt aggtaaagga gcggaatgaa cgagtgggga aaggaggaag 120
 gagaganaga gaaagaggaa gagaaaggaa gaagaaaaag acagcatggc cgggcctaga 180
 cacaaaacca ggaggtgatc aagctcagca 210

<210> 8598

<211> 210

<212> DNA

<213> Homo sapiens

<400> 8598

cgctgattga aacaccacta tattttctgg atttaaaaa accttctact acccctcaaa 60
 atgaagaaat tcgatgagtt gttatactaa taagatagcg gcctatgact gaaaatgctg 120
 tccgccaaaa tggacgactg gtcaaaaatg acacactgta tggacaatca acaacacaca 180
 ccacccccga aagcaacgcc ggcaggaccg 210

<210> 8599

<211> 290

<212> DNA

<213> Homo sapiens

<400> 8599

gaggtcgagt cctgctgggc ttggcaacga gggactcggc ctcggcagcg acccagacca 60
 cacagacact ggggtcaagga gtaagcagag gataaacaac tggaaggaga gcaagcacia 120
 agccatgatg gctacagcgt gtgctggtgg aaaccaagat aaagatgcc attttgcacc 180
 accaagcaag cagaggctgt tgtgtgtcc aaaatcaaaa ctgcacatca acagagcaga 240
 gatctcaaag attatgcaag aatgtgagga agaaagttg tgggaaaaag 290

<210> 8600

<211> 258

<212> DNA

<213> Homo sapiens

<400> 8600

cgggctcgga ggccgcttca cgttcacctc ccacacgcc ggtgaccatc aaatctgtct 60
 gcaactcaat tctaccagga tggtctcttt tgctggtggc aaactgggtg tgcactctga 120
 catccaagtt gggggagcat gccacaact accctgagat tgctgcaaaa gataagctga 180
 cggagctaca gctccgcgcc cggcagttgc ttgatcaagt ggaacaaatt cagaaagagc 240
 aagattaaca aaggtatt 258

<210> 8601
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 8601
 aagctttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
 taaaaaaatg aaacattttt ttttaacagaa agaggggtggg ggggggtgggg taaaaaaggg 120
 tttttgagaa agtttttaac cgaccaggt cttgggggaa atttttgggg ttaggggggg 180
 gggaaaaaag gcctaagctt taggaggggg aatttggggg tttttgtgg tttgttttaa 240
 aatagaattt tttttggctt tttttggca ctggtggtgg gggggggggg ggaaaagggg 300
 ggcacagggt tctgtttttg ttttgcctcc agatgttt 338

<210> 8602
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8602
 gaaggcatga tgttttgatt tttttttttt atttattatg ctaaataagg gttaaacagt 60
 gctacaagcc ggcaaacaaa tagtacggat ttcacgggag aagaagcagg accacggcga 120
 atagaaatga tgccgaacca aaaagctgag aacatggtgg ga 162

<210> 8603
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 8603
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
 ttttttttta aaaccaaaaa atttattgga tgattaatgg ttgacttttt taaaatgaat 120
 gggatggtgc aacagggggc ctttgggggt tagggggggg tccttcaggg aatccatgcc 180
 tgaattgggg ggatacaatt tttaggggac ttattcgacc acttcggggg gtttttcctt 240
 ttttaccctt ggcactccag tttttctttt ttttgggctt ggcggggggc ccacattggc 300
 caaagggcga tttttgaagg ggggaggcct taaagccaaa ggggcggggc aacggggggg 360
 ttttattggg acgctttcaa aaagaagaag tttcttttgt ta 402

<210> 8604
 <211> 494
 <212> DNA
 <213> Homo sapiens

<400> 8604

tacatcttaa ataagtctaa taatcttggt tcatcttaaa gtaaaaatac attgaaatga 60
 atgagagaga tctagatctt aaaaaagttg accattcatt attgctggaa ctgaagaaaag 120
 gaaggataca ctggcatcac gatttgtcta cataagtcca gttcatctcg cgtttgtttt 180
 ggcaagaaga ggacactaca aaactcacag tgcagtcaaa acaaaacaaa acaagaaaaa 240
 agcacaacaaa tggctgggtgg ggaaccatat acaaaaacta catctcaggc agctctttct 300
 caaggaagat tctaagattt tattatgtgg ctaattctaa attggaatg gaacatgccg 360
 gtatgtgaag caattgggtgc taggacttta cccttgctg atatgcaatg ataatgtgat 420
 gagctttagt gactcttgaa tcaggataat cacactcttt aggtacctcg gccgcgacca 480
 cgctaatacac tagt 494

<210> 8605
 <211> 178
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(178)
 <223> n = A, C, T or G

<400> 8605
 ctctngagct tgtatggagg taagagtaga aacaccatta tgattgtaat aaacgagtgc 60
 ttgaatgatc tggttatggg tggctgatat cacactatgg ttagctcat gtgagtgatg 120
 ctcatgatgc tagtaatacc gatgtggtta tggatggaga ctaatanggg gattgatc 178

<210> 8606
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8606
 taaggaaaga agtaagaatg aaattgaaga aagatgatta tgaaaaagaa gggagaaaaa 60
 gagaaaaata atttttttat gtttttatgg ttttttttt ttttgatatt tttttgatta 120
 aatttatttt ttatgaaaag aggtttgtgt tgtttgttgg attttttttt gttgtataag 180
 ggattgtttg ttga 194

<210> 8607
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 8607
 gtactgtttg gtaccttggg ttgcatgagt tgggtgggggc cggcggggcct agccaactggg 60

```

cgtggaacga caccggaat agtggtgatg gagtggtaa tagctgttac cttcactat 120
gaccgctata acacatgctg aacgatggat cccattgcac aattgtatag tgttgaggc 180
actactggga gcgattctta tacccaacaa gcgatacacc gacataacaa atggtgggat 240
gggtataatg atcatctgtc gctgccacat cgataaatac tgaattgata ggaatatgt 300
tggttg 306

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<210> 8608
<211> 306
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)..(306)
<223> n = A, C, T or G

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<400> 8608
gacgtgctcc acgtggaacg gtggttccat actgtccctt ctgtacacta tacaacgnat 60
gtgagaagca aaacangatt atgatgagat atggccctac atggtttacc gacatatgct 120
tatatgaaag actatgactt attctgcggt acatcacctc tgttgtaaa gatggtaact 180
tgcgtataag acatgatgag attggtgtgg ttttatttga atttttgggt ttgatttggg 240
ggttatTTTT atattgtatg agttgagat tatattttag taacggcaaa tgtgtcacc 300
acattg 306

```

```

<210> 8609
<211> 242
<212> DNA
<213> Homo sapiens

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<400> 8609
gggcagtggt acgcgtcgtt atctaatttt tctgaatcgg aggccaaaag aacaacaag 60
ggcacgaaaa taggcatgc cttttttgga catttataaa aggtttttgt tttattttat 120
atagatgggt gattattttat agtggggaac agttgtataa gatggttggg tgttgccatg 180
tttttgaaaa tataatggat agattgtggt catggaattg gtttatattt tgataataga 240
at 242

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```

<210> 8610
<211> 226
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)..(226)

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<223> n = A, C, T or G

<400> 8610
 ggctactgnt ccaaggaggt aaaaggtagc ttactgggtg tcctcccatt caggttanaa 60
 ggagnaggtc tgcgggntag gnagnntcaa taaagtggat tggcttagt ggggcgaaat 120
 attatgtact ttgttgtttg gtatatatgg nagggatggg gnattattgt ctaggatga 180
 gggatggtat agtgaatagg ggcaaggcac gtcctcccta gttttg 226

<210> 8611
 <211> 194
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(194)
 <223> n = A, C, T or G

<400> 8611
 gctgcaacgg ctattattca tcttagtggg ntaatggagc antaggttag tattttgcgt 60
 tgctgggttt ggtttaatcc acctcaactg cctgctatgt aggcataata ttgagtatag 120
 tgaggagaag gcttacgttt cagtgtgggc atagtattgg gtatatggag cgtagatggt 180
 ggactgtact tgtg 194

<210> 8612
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 8612
 ctgcaagcag gggggacgag caacgtgaga tgagcagggg atggccaggt gaagcggctg 60
 gagatgtttt aatgcaccgt cgcaggtgc aatgagaga gatcacaagc agcaaaacaa 120
 ctggatgaga cgatgggagg ggcaaggatg ccagatgtca agagatccat agcgctgaga 180
 ggaatgtggg agggggatgc tagagtcata gtaaagggga aaccctatgc tagctgtcaa 240
 cagagttcac agggggtacg ggataactgt cggg 274

<210> 8613
 <211> 157
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(157)
 <223> n = A, C, T or G

<400> 8613
 gntacatggn cctgnttctc ctatatggna anaaaaanac atccccccc tгнаatttcc 60
 cagntcctct gnagnattta atgggtgcct aaggagcata таatgaatgt cattgccatt 120
 tacgaggtac ctcgccccga ccacgctaат cactagt 157

<210> 8614
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 8614
 ctactgttcc aagaatggtа aagaggtagc ttacgggtgc tcctcgaatt cagttaaaaa 60
 gaaggggccc gcggctagga agtcaataaa gggattggct ttatgtgggc gaaaatatta 120
 tgcctttgct gttgggcata tatggcagga tggggaatca caccaccacc аcaacct 177

<210> 8615
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 8615
 tagggggggg ccccggggcg agggggccaca аcaatgтааа ggcttatgct gggaggaaaa 60
 gggcaaggtt ttgccggtgt ttttttaaaa attatttttt tgataggagg gaagaaccgg 120
 ccttcgaagg gaaaataagg tacctactaa aaagggggccc ccttaattta aggttaatgt 180
 gttaaagggg gatgcccgcg gtcocctgggc ggcaacaacg тааатаааа gggaaactggg 240
 ggccgcggga ggggggaaaa taggggaaaa ctcccaaaca gggggatgaa tagttgggat 300
 tttata 306

<210> 8616
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 8616
 gatgtgatta tcctaattca agagtcacta aaactcatca cattatcatt gcatatcagc 60
 aaagggtaaa gtocctagcac caattgcttc асataccagc atgttccatt тсcaatttag 120
 aattagccac атаатаааа сttaaaatct tccttgagaa agagctgcct gagatgtagt 180
 tttgttatat ggttccccac cgaccatttt tgtgcttttt tcttgttttg tttgttttg 240
 actgcactgt gagttttgta gtgtcctctt cttgccaaaa caaacgcgag atgaactgga 300
 cttatgtaga caaatcatga tgccagggta tccttccttt cttcagttcc agcaataatg 360
 aatggтcaac ttttttaaaa tctaaatctc tctcattcat ttcaatgtat ttttacttta 420

aatgaacca aaaaaattaa acttatttaa aaagagaact gccggg 466

<210> 8617
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 8617
 cctgggaaga aaatgtggtt ggtggagggg aacgggggca gtcctaaaag ggatgctggt 60
 gttaggggct taaaaacatg gcctgcccc gggaaactga acaaggata gagggggagc 120
 tccccaggc tcctgtgtgt ttactaaaa gggcaacagt ctcaagtggg ggctggaggg 180
 gaatacactg tttttaaggg ttagggaaaa gagggtagg ggatggaatt gaaaaaatat 240
 atttatTTTT aaaaatattg gggaggggaa tctctactga ccttgaaaa cgggaaacaa 300
 gtgggcccct ggggcgaaac aaccctaata actaggaat tggggggcgc cgggggggca 360
 aactagggg aaagccccca acgcgttggg agaatatctg ga 402

<210> 8618
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 8618
 ggcacgcggg cggggtgggg gcgcacaccc ccccttctgg cgcgcgcgcg gtgagggggg 60
 gggggcgtgg gaggatgggg ggatacagta tcaaatgaaa aataaatggt aaaaaatcaa 120
 aaggggcggg ctccctaaac aatTTTggcg ggccaaaatg tgagggtatg gaggggaggg 180
 aaaaaaaaaag ggggggggca tggggggcgg tgggtatatg gttctttacg ggggggggga 240
 tagggatgga cgcagcgggg gcgcccccta cgacaaacca cccgcaccct gccctccaca 300
 catgcggggc tctctaaaca tggcttcctt ctaagaac 338

<210> 8619
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 8619
 tctggtcaaa agtcaaaaa atggagtTta caatgggcat aaatgtaaaa agtgactcaa 60
 atgggaggaa aacctggggg ggaaggagg atgcgggtga gtaaaaactt gcaaagcagg 120
 tggttacct ttgccatgga acgctcgct taatacact gattaagcac acaaggctgg 180
 ttgaaacatt aggcagggag ggtttgtgtc ggctgggcag gaaggggggc atcacgctgg 240
 aagaggaaag cagcgact 258

<210> 8620

<211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8620
 gctggtctg acggtcaaga aatgcggga taaactactc aactggctac tacgtggaat 60
 gacactgtta tcgtcatcgt acagaacgac gacatccaaa cgcattattgt agagatacgg 120
 accagtgtat ggaccagggg gatcgaggaa acccgcttca tctaataatga cctacactta 180
 taatatgttg aatgaggatg gtgagtggtc tgagcggaaa aaggggaccc actgataaga 240
 gg 242

<210> 8621
 <211> 226
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(226)
 <223> n = A, C, T or G

<400> 8621
 angaaataag actgaggggtt ctatctacac ttgtagcggga catcaaaca ctaatgagcc 60
 aattcctcct gctgcaactg gtctaacgga tgcagcagtt tatactgatc gacatgatct 120
 ctaaagccca taagccgaaa aatggcatct gagatatgct gggccaggtg atgtttgtgac 180
 gagatgtcag tgatcagatc atctacottg tcataggcca tgaact 226

<210> 8622
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8622
 aattgccaaa tttgggaaaa acacttgtgt gtgggccaaa ccctgtgggtt aaaagaggtt 60
 aattaataaa ttactgacg gggggagggg ggtaaggta ttgtgggtta aaggactgtt 120
 gcgtaaaatg tctattcgct gcctacggct gccacaaaag cc 162

<210> 8623
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8623
 tgattagaga gacggggaac agagccgcct ttctacttgg ttgggcgtgt tttccctggt 60
 cttattgttt gttctggttt taagctccaa aaaagggggg ggccatgtta tcttcaatat 120
 gttttggttg tgggggcggg tggctctttt atgtgaccaa cagatgtcca gaaaactagg 180

gagggaaattt tatt 194

<210> 8624
 <211> 498
 <212> DNA
 <213> Homo sapiens

<400> 8624
 caccctaaca gagggaaatt ttttttaaaa aaataaataa aataaaaaaca ataagcaaag 60
 aaaaatggat gtaatagggg tgggtaaact aaaaagctac aaaaaatggg tccctccacg 120
 gaaaaaatta tggaactgta aaaaattgtg ggaagaaact atttgaatt tctcgagttt 180
 agtaaacacag ggaaagaata agggaaaaag tgggataaag aggatgataa atttgggtaa 240
 ggggtggggga attcaagcct tccaactaaa taaaacctat tttcatacc ccattatggg 300
 ggggaccacg gggaacgggg gcccatgttc tggaaaggaa ttcggggagc gggggggaaa 360
 aaaaagcact ttttgccaa aatatagggg ttttgggtgt ttcgggcctt tgaaggcggg 420
 gggggacaca cagaaggggg ctataatggc aacaccctca ataaaggag ggggcttcaa 480
 agggaaattta aaaaaata 498

<210> 8625
 <211> 514
 <212> DNA
 <213> Homo sapiens

<400> 8625
 aaattctttt gtgaattatc gtgaggaaaa aatatttttt attaaagaaa atctttaatt 60
 aaacgagggg gactaaaacc aaaaaaaatt taccaaaaag ttaagcacct taatcaatgg 120
 gttcaactct atttttcggg cggggggaaa aaagggggga aaaagccggg gagggttgga 180
 gggggttttt taaattttta aactaattat aaaaataact tgggaggggg aaaaaaagg 240
 cttaacccgg gtttttaaac taacagcaca gggtttcatt cacccttttt acctaccca 300
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaaag ttggcccctg ggggggacc acgctaataa 360
 cttagggatt ggggggccc gggggggccg aaattggggg aaagctcca gcgggtggga 420
 ggaatagttg gatttttttt tagggtaact taaatagttg ggggtattta gggatatggt 480
 ggttttgggg ggaaattgtg taccgggctc aacc 514

<210> 8626
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8626
 ctgtgttggg gggggggcga aaaaaataa aaagaagggt cttgagtggg gtggaaagag 60

ggggaaaaaa aaaagggggg ggaaaaaggg ggaaaatagg ggggggggga aaggaggggg 120
 cgcgtggcct ttttgggtgt tgcgagaaag aaaaaaacc cttttgaggg acgcgccc 178

<210> 8627
 <211> 482
 <212> DNA
 <213> Homo sapiens

<400> 8627
 aaaaaatggg ttaaaaaaaaa aaaaaaaaaaaa aaaactggtg ctaacatttt ttatatttgg 60
 ggtttttttt ttaataacat taaaaatgga aagagttttt attttaagtg cctctggggg 120
 taaaaacaac ctccatctcc ttggttaaaa aaacgctttg ggcccctgga gggaaaaaaa 180
 tctgtgaggg gtgggaaaat catccaaccc ggaaaacatc cttcaacaaa cgcgccaagc 240
 aaagagtatg agggggggac atcaaaatta ggggtgggat ttaaatggaa atctctctca 300
 taacctcttt tctttgggtc tacagtaggg gtaaaaaact ccaaagggga tttaaaaaaaa 360
 ccaaaaatta tttaaagggc ccctcgcccc ggaccacgcc attctttagg gatcgcgggc 420
 cgcggggcgg gcggaccatg ggggaagacc cccaacgcgt ggggtgcatt ggttggtttt 480
 ct 482

<210> 8628
 <211> 482
 <212> DNA
 <213> Homo sapiens

<400> 8628
 tagtgcatag tttttattat attcgtttcc cggagtggag cgcgtgtttg ttccgtttgt 60
 gttcgtctaa gacgtgaaga aaagctgatg gtttgtgggt tatatatggt acacactgtg 120
 tggagttagtg ggcattctgt aagtgaagcc cacaagcact gtatttatcc ctgacctgta 180
 tactaccatc tgctgccttc cctagccgca ccaatctact accttatacc aagtattgcg 240
 gatatgatca caggtcatac cagacaatgc agtgaacaag tgaagaaat gcatgtgggt 300
 tgaagtgtga tatataaaaa gcccatgcag aataccattg atgccctgat ggaagagaaa 360
 atggcagcaa aaatttcatt attctcacia gcctgaaacg cgtgaattac aagggcttaa 420
 agaaatacta atgcctctaa cctttcctat agctgctttt tatctgaagg gttccttgaa 480
 tg 482

<210> 8629
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 8629
 gttgtgacag tgaccgtggg ggatattgag attgagataa ccaatatcac tacgggcaca 60
 acatacattt atgacgctag agcaagagggc cgagaataac gtggataata aaattgacaa 120
 agacagcaga ggcctcaata cccacggact cctgtcttga cccgaagtag agactgttaa 180
 gtctctgatgc gtcgcctgcc ctctccttcat tgetgccttg gaatgtacct gcccgccgt 240
 tccccaaaa cagcccggaa ctggggctgg ttaatgcagg tgatgaacca gtggttgta 300
 ttgtgtattg ttttgtttta aa 322

<210> 8630
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 8630
 tgtgaactgg gacctttagt ggtgggcatt catgctgcat atttgtgtgt tgtggtgacc 60
 tggtggggac ggaacatcga gtcctgggtc gatgatggag ctgatggagg gctggatgac 120
 taatgggcgg cccaggccgg gggggaccaa actccaacac aagacaggag cgagacgtga 180
 ggggagggag ggacacacgg ggcggccatg gacgcagaca gcaccgtggg ctgtgcagtc 240
 tttgttgag gcggagcaca agccggtatg aggatagga taaaattaat gggatcact 300
 tccctttttt tgtttttggg atttttaacc acataaat 338

<210> 8631
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 8631
 gtgaaaatat ggtgttttagg cgttttgtgg aggttggtgg ggtggtctat gttttttttt 60
 ggatcttatg ctggaaaatt ggtagagatt gtagatgttt ttgtatatga aaagggtttt 120
 ggttgatgga tattgtttta aagtgaggag aatgtaatg tgttttatgt gtttgatggt 180
 aattgatttt atttttagtt tatgtaggtg tttattatat gtatgtcata atagtttgga 240
 aaaaggcaga tattatthaa aaaagggtaa atataatgat gggttaagaa gattgaagat 300
 agaaaa 306

<210> 8632
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 8632
 tacatttttc aagctgtttt tctttatggt tttgaaggac catttttaat tagctctttg 60
 atacaaagta actcagaacg tcaaacctg taccactaa agggaaggct gccgggaagg 120

caaatggaac aggaatggag cctgtctcag gaaggccagc cgcaggtcct ccagaaaatc 180
 aaagaagggga agaaactctg agtttgaggt acctoggccg cgaccacgct aatcactagt 240

<210> 8633
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8633
 gtccccctct tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
 tttttttttt tttttttttt ttttttaaat agattttttt ttttgaattt tttgaaattt 120
 tgaatttaaa atgaattgtg gagggggggg ggagtttcaa tatgttggtc gtgtttggg 180
 actgggttgg cggc 194

<210> 8634
 <211> 493
 <212> DNA
 <213> Homo sapiens

<400> 8634
 acatattaaa taagtctaata aattttggtt catcttaaag taaaaatata ttgaaatgaa 60
 tgagagagat ctagatttta aaaaagttga ccattcatta ttgctggaac tgaagaaagg 120
 aaggatacac tggcatcacg atttgtctac ataagtccag ttcattctgc gtttgttttg 180
 gcaagaagag gacactacaa aactcacagt gcagtcaaaa caaaacaaaa caagaaaaaa 240
 gcacaaaaat ggtcgggtggg gaaccatata acaaaaactac atctcaggca gctctttctc 300
 aaggaagatt ctaagatttt attatgtggc taattctaaa ttggaaatgg aacatgctgg 360
 tatgtgaagc aattggtgct aggactttac cctttgctga tatgcaatga taatgtgatg 420
 agttttagtg actcttgaat taggataatc aactcttta cgtacctcgg ccgcgcacac 480
 gctaatcact agt 493

<210> 8635
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 8635
 acaagctttt tttttttttt tttttttttt tttttttttt ttgggagggg tttgggtttt 60
 tttttggttt tttaaatttc aggaattggt ttttttattt aattcattaa cctttttttg 120
 aaaatatttg aaaaaaaaaa ttttttttta aatttttttt tttggtgggg aaataaaaag 180
 ttggaggtta ggggaaatta agttgaaaaa gaaatgggaa catccacccc cacctttttg 240
 gaaaaaaaaa aatgaatggg ggggaaacca agggtagaag ggggaacaggg ggtagggggg 300

gcacgggggg gggctggctt tccacctcct tacatthttgg ttacaggggc ccaaaccat 360
 ttggggggct ttggaaaaaa aatggcaag gggthttgga gtaaaaagg ggggggggga 420
 aaaaattctg gatttcgggc cctcacaaaa aaggthgttt agggthttca agctgggaaa 480
 aacacattaa aaccggggg actthttggg ggtggaggaa aacaaaaaa gggaaaacaa 540
 cctgga 546

<210> 8636
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 8636
 gggthtgata tctthttthtt ttgtatatat atgthtggt tatggattat gatatahthg 60
 thtttaataat ggagatagaa thgctthgtg gathgaaagg gathgthttat thatahtht 120
 taagaaatag tataacgata gathgthgtg thagthtaaga thgaatatat atthataaat 180
 taatathgag thatahthtt gthgththta thaththgath thaaataaath gathgathth 240
 atthththth thgaagthcat thaththata aththththth agththaaagg 290

<210> 8637
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 8637
 ggtactthct atgaaaagg ththggccata thgththgtg thgacgthctg gthgaaaath 60
 gaaggththtt gthgthccgaa thaggggggg aaacgataaa caggththcc thathgaagaa 120
 gggthththgg accctthgthc gthgthccgthth gthththgath thgggggath thctgthccag 180
 actaaggaaa cthggacaaa aaaagaaaac athththctg gththgathg thgathgthaa 240
 ththgathgth thaacctggg thththththata aathg 274

<210> 8638
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 8638
 gthgthccgthc cacathgaaath gggggathcct cgtththgctg thcatcathg thgathcctt 60
 athathgthct gthgththgthg thgaaathg athcathathc thgathgathg thgathcggct 120
 caagthathc gathgthgthc gthgathgthc ththggthccac aaagthathc ththgathcath 180
 thgaaactthg aththaaath gggathathth athgthgath thathgthgath athgthccca 240
 gthgthcgtt ccgaaathath gaaaathgct ctactgthgg gthctgthcaag aaaaathgaa 300

aaatcatgat attcacgctc acatgcaaag aaagtata 338

<210> 8639
<211> 162
<212> DNA
<213> Homo sapiens

<400> 8639
aaccttttgc ttatgctggt ttttatttgt ttgtttatct ctatcatttg ttttatataa 60
aaaaagggtgg aaagttgaat atatacaaaa ctaacaagat aggaaacctg gcaaataata 120
cataatggct ctaataatca cataatagca agctgtcctg ag 162

<210> 8640
<211> 194
<212> DNA
<213> Homo sapiens

<400> 8640
tgcacatgaa acacaagatg agaaagtgtg aagtggagac acagaatagt aagaagggga 60
caactagaga caagtctggt gaacaagaga aacaacaaaa caattgctga ttcattgttc 120
aacaatatag aggacatca ctggggcgag atgccggtgt gataatgtac actagcgggtg 180
gagccttggc accg 194

<210> 8641
<211> 322
<212> DNA
<213> Homo sapiens

<400> 8641
gcacaaaatc tagatttgc aggctcgagg tagagaagga catatgttat agtagatgaa 60
aatgatggaa tagcaatgag atacaaaatg caactaaaaa tgggataatc tagatattag 120
agaggacttc aaacatgcaa ataggaacca caggtgacta tgatggtata tcgatttatg 180
tgtgtgagta ttcattggtat tacaggctga atgtaacaga cacaagcaaa taggttgcct 240
aagactgtgt ccttgttctg tcggatgtgg gcggggagga tggatcatct ctctgggtgc 300
tcactgttag actttgaagc gg 322

<210> 8642
<211> 178
<212> DNA
<213> Homo sapiens

<400> 8642
gtacaatatt ggtaattatt ttatatctgt gaaggggtgt agttaaaaa aataattcat 60
agaatgacaa aaagtactta actgttgtgt tagctggagt gaaaggtatg atgatataata 120

ttaactggaa acagatgaat gtccacggag ctttctgttg gagaggacat tgcagccg 178

<210> 8643
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 8643
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 ggacgagtgg gtggtaggat gcagtcaaaa gcctcaagca tagtggttcc aatggaattg 120
 tgcataactta ggggtgtact ttccatccat atgaactatt gcttgtaagc acattggctt 180
 ccaagatggt gagagcattt aaaacaaaga ttggcacaag agatactgtg tatgagatag 240
 agagaathtt tttggtgata gggatggatt catttgcaat aagattatgt ctataatagc 300
 agtttggcgg attcaggcga atccatgatg taaataccga ccgtggggtc gcaccgaagc 360
 tagtgtgttg gatctaaagg tttgctatat gtggtagacca tcagtgttta atgccatcta 420
 caatatggag catctctccc ttaaaccatc tgaacagcc acagcc 466

<210> 8644
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 8644
 taaattaatt agggaaaggg ttttgagggg ggggggtgga agaaaggggt tgggtttggg 60
 ttgtttctcc tccccaaaaa aagccactaa agcagttaca gaaatgaagg gtaaaatggg 120
 ggccacaaaag ccatggtatg tagcttttagc tcagggaaaa aaagagcgcc gggctcacct 180
 cattaaccag tatatgcaga gatgggcagg ggtacctgcc gggggcgccg ggcggcgggt 240
 cgcgctgggg ccggggct 258

<210> 8645
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8645
 agtactgttt ttgttttttg tttgtttttt gaagcgagag atgacggtat gggggaaaaa 60
 tggatgggaa aaggggaaca aaggagaggg aggatgagag gaaaagcacc atccacgcga 120
 tgagagaggc tattagttag ggacagagtg gggacaaaag agagcaaagg gaacgtga 178

<210> 8646
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 8646
 catttttttt tttgtttttt ttttttttct ttctattttt tttttttttt tttttttttt 60
 tttttttgac tttctttgtt tttttttgtga tgcttttttt tttttttttt tatagtaatc 120
 aaaatataaa aaaaaaaaaa aggaccgggg ggaaaaaatc tggggaaaaa ctaaaaaaac 180
 gggggggaaa acaaaaaaaaaa aaaaaaagaa aaataaaagc gggcgagcca caaatggggg 240
 gggaaagggg aaaaaaaaaa aagaaaaaaaa aaaaagtaac aaagggggcc ccggggaggg 300
 ggggcagaag ggaaaaaaca cccatcccgg gaggggagag gggggaaaaa aaaaaaaaaa 360
 aaacaccaaa aaacgccctt cgggca 386

<210> 8647
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 8647
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 tttttttttt tttttttttt tttttttttt ttttaaaaaa cggggcatta attaaaaaaa 120
 aagggggaca aaagaagggg gggggggaag tcacaccaa actgggggta aaagaggggg 180
 gggataaact ggaaaaaaca atcaaaaagg gggggcaaga acaagaaggg agtggggaaa 240
 ttataagtgg gaaaaaagcc aaagataaaa aaccaccaca aaagggggtc catatgggaa 300
 ggattcacac atgagggggg tggatcaagg aaagggctct atccattgaa aaatatatca 360
 ttgcgccat catatgaagc gagagcacc tgcaatgaag aatgttaagg ggggggtgga 420
 gagggggaat aaaattgggg gaatggccac 450

<210> 8648
 <211> 394
 <212> DNA
 <213> Homo sapiens

<400> 8648
 ctattttttt tatttttttt tttttttcaa catatataca aaacatcatg gtaaaatgta 60
 aaagaaaaat ggagtgcgac taggaataat gaataataga agattataaa taaatcagat 120
 attaataataa attaattagc ggtcataata taatgattca caacgaaact ctggaacata 180
 tataatagcc tcatgacatt actatttaaa taaacatgat ctgcatccaa actatttaat 240
 gcttatttac tgcattacct tcggagacag ggtctagctc tgtcgaccag gctggagagc 300
 aggggtgcga tcttggctct gtggaaccga cgctcccag gcccaagcga tctcccgc 360
 tcacacctcg gccgacacca cgctaatac tagt 394

<210> 8649

<211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8649
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 aaaggaaccc acacgtaaaa caaacacaaa cggcaaaaag aaacaactcc ctcaaaaacg 120
 cggccggaag acaaccagg ggggggggag cgaggaaaaa ac 162

<210> 8650
 <211> 482
 <212> DNA
 <213> Homo sapiens

<400> 8650
 tttgtttttg ttgtttgttt ggtttttggg gttctaaaac cgggaagggg ggtattcttg 60
 gttccagcaa acgtaaaaag ggaagaaaaa tgggtaaaag ggaacaatga agctcggagg 120
 gaagttttcc ggggggacaa ggggggctta aaggtaaaaa aggtgtctgt aagggatgtc 180
 ggtgggggaa acgtggcggg ggacagaaaa aatgacccac caagggaagc agggggctta 240
 actgctaagg ggataatccg gaacaatcca ggcaaaataa gggcgggtta tgccttgta 300
 tggaatggcc atagggttaa aatggcatgc aggtttggtg agaggaagga aaaaatggat 360
 ggccgtgcgg gtaaaaagct ggaagatggc ccaaatcggt gagagtgtgg tgatgttgcc 420
 atgggggatg tgggtcgggtg agagcacatg tgtgtggaaa gcctctaata ctacgcaact 480
 tt 482

<210> 8651
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 8651
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 aaaaataacg gggggcaagc aaagcgggaa aaagggggaa aagcacctcc cggaggggaa 120
 cccccggggg caaggccag ccaaagagac gggacagaga caagaaaccg ggaaaaggaa 180
 atataaaaaa agggaaaggg cgagcccaca gaaacccaaa ggcggcacag gggggccggg 240
 gcgggagaac ggggaccag gaagccagga aaaagaggga acaaaaaaaaaa gggagacgga 300
 ggagggaaaa ccagggaacc accggcgga gcaggcgggg gcgaaggggg ggaggcaagg 360
 ggagggacag aggaactaaa aaaagg 386

<210> 8652
 <211> 159
 <212> DNA

<213> Homo sapiens

<400> 8652

gtacaaaattt agtaatttat ttgtaaattc tgccagaata ctttctagct gctttgtaat 60
 tttttaagag tgttatattg tttttgtttt tctgttcttt gttgtggctc ttgttttcat 120
 tttgttgta cctcggccgc gaccacgcta atcactagt 159

<210> 8653

<211> 274

<212> DNA

<213> Homo sapiens

<400> 8653

ctgatccatc acacatactg cgtgggttctg atataggggtg agtttgcgt tgctgctcat 60
 tgatatgcaa taaggaactt aaggaggcct tctgacagaa gtcactggtc ctgttttctc 120
 tgaatgagct gcaaagggtg acttgggtgg tggcgagaac tacatgacac agatgagagt 180
 gtgattatgg gaaatgccct gaacagttct gagatgctat atatttggaaggcgtgttg 240
 gtttgagtgt gggaatatca aaggacacca ccag 274

<210> 8654

<211> 480

<212> DNA

<213> Homo sapiens

<400> 8654

gtacggctcg gagggccgct tcacgttcac ctcccacacg cccggtgacc atcaaactcg 60
 tctgactcc aattctacca ggatggctct ctctgctggt ggcaaactgc ggggtgatct 120
 cgacatccag gttggggagc atgccaacaa ctaccctgag attgctgcaa aagataagct 180
 gacggagcta cagctccgcg cccgccagtt gcttgatcag gtggaacaga ttcagaagga 240
 gcaggattac caaaggatc gtgaagagcg cttccgactg acgagcgaga gcaccaacca 300
 gagggctcta tgggtgtcca ttgctcagac tgatcctc atcctcactg gcatctggca 360
 gatgctcac ctcaagagct tctttgagge caagaagctg gtgtagtgcc ctctttgtat 420
 gacccttcc tttacctca tttatttggg acctcgccg cgaccacgct aatcactagt 480

<210> 8655

<211> 316

<212> DNA

<213> Homo sapiens

<400> 8655

gcaccacgag tttgagaagg agatgggagt gtgatggatg ccaaacgaat attctagtgc 60
 tccatcagct tgcgaggatg tacagaaccg gggaaactgag atactcatat ccattgtggg 120
 ctgtaaaaag gctgtcaaaa ccataagatg cacgatggac aatattgctgt gggcctgggg 180

acacatactg aaagacgggg ggaggagggg aaggggaggg ggcgaatcgt tggtagcggg 240
 gggaaagtgg aagacagtga gaagacctag gccgcgacga cgctaatac tagggaatta 300
 gcgggcgact gggagc 316

<210> 8656
 <211> 514
 <212> DNA
 <213> Homo sapiens

<400> 8656
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 gcatgtgact ttaaaaaaaaa ccaacattat ccacaagga taggcacatg aagggggaga 120
 tggtggttga aaagatggtg acctagaaaa taaggcctag cacacagtca ctgaaagact 180
 attggatagt acagagggga catgaaagac ggaagtgtgt ggagaacatt gacagaccaa 240
 aagtgaagg gggaaagaaa aacacaagac ggccatgtca ccgaatggtg tggagtgggg 300
 ggggggaggc gctcgggcaa cagacaggcc atataacaga cgatctacag agagggcaca 360
 gggacagga gcacggtgaa gcaggagcca gggaggtgga aagcgacatg gccgggaatg 420
 gggagagcca aatattgtga tctacagata gtgcacctct gatggcgaga gaccatgcac 480
 ctgaagctct gtatgtataa tggacggccc aaac 514

<210> 8657
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8657
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 aaaaaaaaaa aaataacatt tacaacatgg gaaggaagta aactgtaatt tctttgaaca 120
 acaatggtgg tgggtggggg gaaaaccaca accccaaacc acttcgccgg ctccaaatga 180
 tgggataaaa aggt 194

<210> 8658
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8658
 ggtactcgtg cgcccggctt cgcttttctc cgcacgccgt ctgacaaacc ggtatggctg 60
 atatcgacat attcgataag gtgaaactga agaaaaacag agacgcaaga aaaaaataca 120
 ctggcttcca aaaaaacgaa tgaacaggag aaacaagcaa gc 162

<210> 8659
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8659
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 ttgatgctgg ggtcctgtga gcagcacaca gccagtatcg gatagggctg aaaccaaggc 120
 gttgatgatg tgcacaccat gtatcgtgtg aagggtgagag actttgggtga aatccgatat 180
 catggtatga tcatccgtgc ctccacacac acagatggat ccatctggat atacaaccac 240
 cg 242

<210> 8660
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 8660
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 ccgtgtggac tcgggtcccc atctccgggtg agggcgtctc ctgcacacgg cacccatgct 120
 tcaggtcgca cacacgtgcc gtggacccaa gttcaccttt ggaggtgtca atcccccaa 180
 gaagatgttg ctaacttggg gtttggggcc taggctttca tcagagtctt ccccacagaa 240
 agcgaaatgg gaatgggtcc ttaataagct acgggccttt gttcacagca 290

<210> 8661
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8661
 ttagaaaggc ttgttttagg tttaaaagac tggttgttcc tgattgttta ttggtcccat 60
 ggtgttttct gtgttaacct gggaaaggca gccttaatta cctaaaaaaaa gaaaaaaaaa 120
 aaaaagaaaa attatgtgtg agattttttt ttaaagtggg ga 162

<210> 8662
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8662
 gactctgggg tgatgaatgg ggagaggaga gaaagtgaat cactatatca ttctatacat 60
 aagaatcagt ccagggtgat taacaatfff aatatgatag agaaaatata tatactttag 120
 aagatatagg aaaagtatgt gtagtcctct aggggtgggga ag 162

<210> 8663

<211> 258
 <212> DNA
 <213> Homo sapiens

<400> 8663
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 gttttttcctt ttaggttttg gtcctctgt ttttttattt tttttctttt tggaatttta 120
 tttttatttg tttttggttc attttttatg gttatatagg ggggggggtg agagaaataa 180
 cggagaacgt gggtgagcaa gccggtgtta aaagatggga aaagagtgtg gggcaccaaa 240
 aacctgttc cctcaagt 258

<210> 8664
 <211> 482
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(482)
 <223> n = A, C, T or G

<400> 8664
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 acatcctctt cagagctacc cgaaaacccc tctcaggaag gacaccacga gtggtctaca 120
 aatggtttct tttgatctac aaactcagct atgcatttgg tgttgtgggt tacttggcga 180
 tcatgtttac aatgtgtgga ttcaatctgt ttttcaaaat caaagctaga gattccatgg 240
 attttggcat tgtgtccttg ttctacggcc tctactatgg agtaatgggg agagacttta 300
 ccgagatctg ctcagactac atggccttca ctatagggtt ctacagtgtc aggcggttgg 360
 ctacaaggag cttatcggac aatatctggg ccagttgggg gcagaagatc attggggagc 420
 gtgatgaaga aagggtcatg aaaacatcta tcagcgtttc tggtatcttg tcttcattga 480
 tt 482

<210> 8665
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8665
 tgaaaaggat agtgggggtg gggaaggac aaaggaaagg aatatatggt gaggttaaaa 60
 tgaagaaaaa gagtaaggca aagaaagtat tgagatttat attttgatgg ggatggttgg 120
 gagggttgag gtgggaatta atttggaaag aaaaatagat gt 162

<210> 8666

<211> 578
 <212> DNA
 <213> Homo sapiens

<400> 8666
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 cgtgaaattg aagaatttgg catgtaaaaat gaataaact gtcttcccc aagaagttta 120
 gcaccaaact ggctctgggt ctgagataag gaattccagg ccaggcttac atcgcaactc 180
 agtcctcaaa agccctctcg tgcagaatga gaaggcacia gcatatatac ccattttggt 240
 ttcaccttcc atctctctca atcaaactct acttctcatt ttaggaagta tatagtccaa 300
 aatgggcttt taactactct ttgatccttc cacccaccc tgccttttc ttccttagca 360
 aggaaatgac aatgagtgtg gcctatagac aagggttaatt acagatacac cagtgggctg 420
 tgtcgcccag gataaggggg gagagctcaa agctggctag tgtgtgtgct cctctctcca 480
 cttagctgtc attccacct gtgcttttct acttccctct tacaaggggc aacagggggc 540
 ggggagcccc acggcacgtc caaggcatag gttaatga 578

<210> 8667
 <211> 162
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(162)
 <223> n = A, C, T or G

<400> 8667
 gccagctct ggaactgaa ttangaaact caaatcgaat aggaagcaa aaaaaacaaa 60
 acaaaaaaaaa caaaaaaaaa caaaaaaaaa aaaccctatt ttaatggaa agggagctta 120
 aaaaaaattt ttttaagga ggaagaaag ggagaaaatt tt 162

<210> 8668
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8668
 acttttgat atctcatagg gcatactggt ctttcacat ttcgccccca ctttttgccc 60
 atatttccca agctcccccc ctacagcacc ttccatgtgc tcgtgccttc atccagcacc 120
 tgctccccaa tgtattccgt ggtagcaggt gatgtaacac ac 162

<210> 8669
 <211> 210
 <212> DNA

<213> Homo sapiens

<400> 8669

gtatagagag ggagagggtt ttttgtttta tagtagagag ggggtttcaa aggtgttaag 60
 gaggatgggt tagatataat gaaatagtga tttggaatag taggaataca taagtgatgg 120
 gaattaaggg gatgaggtgg agaagtatga gaaggattat tatttttaat agaaaaaga 180
 aaaggaagag aaaagagggtg aggtgtgagg 210

<210> 8670

<211> 562

<212> DNA

<213> Homo sapiens

<400> 8670

gagcggccgc cttttttttt tttttttttt tttttttttt ttttttggcg tttcacotta 60
 tttatttatg tatttattga gacggagttt cccctcttgt cgcccaggct ggagtgcagt 120
 ggcacaatct cggctcactg ccacctccgc ctgacagggt caagcgattc tcctccctca 180
 gcctccaag gagctgggat tacagctgca agatacaaac cctgtcctca cttacgtaca 240
 attcatctct gacatgaagc agtctcccgg ggctccgcgt ctgttcgctc tgggattaaa 300
 ttcgcgtagg cactggggag gcgggagctg ccttcgcaga tatttagcat atgaggatcg 360
 aaggccagtg ggaaccgtga ggagacgcac aaccgtgggt tgggccagg ggccctggggg 420
 gattgcgagg gggggtcagc tgccaagaag gccaaaaata gccggacggg tgggggggga 480
 ggcgggcaag gagaagaagc tgggcaatgg cggctggtag ttctgggtgc tcctccgggt 540
 cccttcaacc ccacctccac cg 562

<210> 8671

<211> 226

<212> DNA

<213> Homo sapiens

<400> 8671

cggccgccct tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
 tttttttttt tttttttttt tttttttttt ttttttaaaa aaaaaggct ttaatttttt 120
 ataatggatt caagccaaca aagggtttca aaaaaattc aaaaaggaaa aaaggtcaaa 180
 atttaaaaat aggggggaaa ttttcagttt gaaagggtaa aaggat 226

<210> 8672

<211> 226

<212> DNA

<213> Homo sapiens

<400> 8672

cctttttttg tttttttttt taaggatatg tttttattgc taccagagg ttttatcttc 60

agtatacatg cgttgactgg caatacctgt gttcagactg cagaggggagc tcaggatgca 120
 gaagtcattgt taagaaacat aaggctgggg aggggggggg agtaagttct attagaaaat 180
 gccaatagct taacaaacct gagggtatta cattcagtta taccat 226

<210> 8673
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 8673
 agcttttttt tttttttttt tttttttttg gattttatatt taaagtttta ttaagaaaa 60
 aaaaaaaatt aaatggggta ttcattggtt tggaaaaaga gaaaaaaaag ggaaggggaa 120
 caatcccata agggaacatt attccttggg ttaaataata ttaattatgg aaatgaaaac 180
 taataacata acaagggaaa ttaaaaaaaa taaattaaga aaaagggaaa gagaagggga 240
 aaaggattct gaatatggga gaaatgtgtg ttatggaaaa agattcgggg ttcagggtaa 300
 tttcctggag aatttctggc tttgaagcgg ttaagtca 338

<210> 8674
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 8674
 gaaggaacag atggactcat aactccacg atgtaagctg gactagtcca acttccaacg 60
 tccgtataac gccatatgta tcttattgct gtatatagtg gcaaatagaa tagacaacaa 120
 gtgagaggta cgactaatag gggagaaaag gaacacatat gtgataggtg atgagctctg 180
 acatctgatg aaatagggtga cgaacttcta ccatgaacaa aatgtgttgc ccacttcag 240
 ataggttcat catcttag 258

<210> 8675
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8675
 tgattgtgga gttattcaat atataaaaag ggatattcga gatgacttga atgagctgtc 60
 ttattattcg tgtactgaga tgaatgttca acgcataagt agtatatgag ttcatacaag 120
 tgatggctga agtgctgtca gcagctaata tgggagcga aaaggagtca gatggtgttt 180
 cgaggtcgaa gagcatccga gttaatgggtg gtcctgcgcg ccagattcga attggaaata 240
 tc 242

<210> 8676
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 8676
 gggctcctgac gcccaggatg ggagtttctg tgaaggcact ttcagataaa cattaatatt 60
 ttaatttgat tcaaaaagga aaatggaggg gctataaacc tgattttttt aattaattta 120
 ttttaaaaag tcaccaggga taataagtgc ggacagttac ggaaatattt ttaccataca 180
 aaataaaaag ataattcaaa aaatttctta tgggaattga cgtccagaat ttaggtccat 240
 gttcactagc taaccactt agtaggggtg ggcgagcaca aactctacct tcccatttct 300
 aggctgttc ctccctcctt aaggggggaa taaatattaa cagggtggtg gtgaggttta 360
 attgagataa agatttatct actaaaataa ctcagtgata ctttatgggt atagtcaa 418

<210> 8677
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 8677
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 attaaataga caaaaggtaa gttgcaaggt tgaaggatca cttgataagt gagactggtg 120
 atgaacattg atgcgcttaa aagtgaagat gcttacagaa taaatgaaga gcagctgtcc 180
 ttctttctc cttctagatg ttcattgctg ggcattgctca gaggttctctg catggatagg 240
 agatgggagc ggagtgat 258

<210> 8678
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8678
 ggttcggggg ggaggaggta atcccttcat atttcaatgt tttctttttg cttatttttt 60
 gtattctggg gtatggcgta agtacagata atgcttcatc tcgaatggtc gtttttatat 120
 aatttttttt tttctcttat catcatgatt catttaacaa aatgtttcaa gcttactcag 180
 gtatgctata gtgtactaca gatgaatgtt gggttaaata tagagg 226

<210> 8679
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8679
 agcttttttt tttttttttt tttttttttt ctttttaagt tttcttttta aaacacacaa 60

aattcaattt ttttttctt ttttttgcaa cagaaaaaa gaattgaaat tggacctccc 120
 ccttagggaa actttttctt ttggtaact tattttaatt attgaaaata acacttatat 180
 aaataacagg gaca 194

<210> 8680
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8680
 cttcgttttg ctttctcttc ctttcttcgt acaacacccat gtatatgcag gtgaaagaga 60
 tgaccaagac tagtaggctg aattagaaat ttatgctgac tctatcctaat aataattatg 120
 ttggtttatg tttatctcta ttaaatagtg cttttgggga at 162

<210> 8681
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8681
 gtgtacgcag gagtcctgc gttgttcagc tcctgtgctt gctgtatttt tgcactttct 60
 cacagacctata tatcatcaaa cgctcataac tactgtgcta ttgagtggta actttgctga 120
 tagggctgct caattcatgt atgatggaga taatgctcac gg 162

<210> 8682
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 8682
 aaatatgaat gttaatatat aaagataaag tattgggaaa aagaattata attaaatgct 60
 acatataaaa tggattgatg ggaagaaatg agaaacaggg taaagtataa aatggaagtg 120
 gatcaagaat aaaaaaaga gaattatgaa caaaaaagga aagaatata tagtcgggat 180
 tacaagaaag aatgaagtgc aaataaaaaa 210

<210> 8683
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8683
 gattatggaa attgaagtta tttaggggtt tttaaattaa gggagtgga ggtatttttt 60
 ttagggaaaa agaattataa ttaaaaaaat agttgggttt tgtgtattta aaaagaatta 120
 aaaaggaatg gttataatta atattttatg gttagaaaag gtttagtggtt gggtttttat 180
 aaataaagtg tgga 194

<210> 8684
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8684
 ataagaggat aaaaaacttc gaaagtaaag acacagaaat gacgaagctg aaggctgaga 60
 gtctcccttc tcacttactc catgctttat ttagcattcc ctaaaccggtg aggaggcagc 120
 ggctgttatg gtgtgggaca aaaccagcca ccgggagatg at 162

<210> 8685
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8685
 gtctctgtta gaggatgtga ctgtgtggat ggactatata tagagaagat ggggtgtctag 60
 agcttagtgc taagagccta tgcgcgcaag agatatctca aatcatagt tagatgaaat 120
 gcgaggaatg tgctgctatg attgacaaga ggagtagaaa tgatgtactc atcctcttct 180
 acacgacata atgcaaaata ggatgacata gattgtggga atggat 226

<210> 8686
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 8686
 tattattatc gcactcgagt ctaagaggct gcactcaaag caataagctg tgtcaacggg 60
 gtccgaggag ggtaatagtt gatcagagga cattgaaaat gaatcttgct gcttcatggg 120
 atattaatat ctgaatagtc agacaactgt aatattatgg aataaacaca tcgtcaaata 180
 tatcattaat atcataagga taggtacaca tggaaactga tgtacctcgg acgatactga 240
 ctgttatcac tattgtatcc ggagacgtgt gcgcgctcgac catatctgag agcgcggacg 300
 gtgtaggatg catatgtaga ctatgctata ttgtcgtcta catagttgga catattcatg 360
 gtcataagctg tcttctgtgt gatattgta tctgttccact atatcactcg acatacagagt 420
 cgtaatcata gaggctgtg tgtgaggtgt ctactgagtg agctaactca catatatggc 480
 gtggcgctct ctgctggctt gcctgtcgtg actcctgatc tgagccagct gcattaatga 540
 gtcgtc 546

<210> 8687
 <211> 562
 <212> DNA
 <213> Homo sapiens

<400> 8687
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 gttcagcacc atgatcactc tcatcaacga tgtttattga gaggatgggt gtccacctta 120
 tacaggetca tggacctata ataacgcttt ccaattctac acatacgtgt agacgaggta 180
 gtctatatac tcagaacatc tagcctgctc tgtatctaca gtgcatgagt aagtatatgt 240
 atatgtatga catagaattc catatcgaag aggtcgtgca agtacactgg tgctgatgct 300
 gtggtgctcg aggaatatcg gctgctaata cacgtatatac tattgaattg tatcagatga 360
 tatgtcacat cagttgtgat catcactgctc gtaggaatgt tagatagaat attatatgtc 420
 atctctctat gactaggctt gtactcctgg tgcataggat actgctgtgt gtggtagctg 480
 tccgtgcgga cgctcgacat cactagagaa tgcacggata gagtgtaagt cgagcagatg 540
 gtagagatct gagcgcagtg ag 562

<210> 8688
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 8688
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 gggttctcgc taggtttaat tgtactgcaa cgtatcagag caggcgccac tagtcttaga 120
 gagccagagc gtcatctggt gtagccactc ggctcagacg tggttgtgtg gaagcagctg 180
 tggatgacac acaaagtgtg cagtgttgtg ttccatgta actttattta tggatcttga 240
 attttgaata tatactgtac ctgaccgggc ggccgttcga catgactact gaattcgctg 300
 gggagtgtag gtcgactata tgtgagagtt agaaacgcgt tggatgaata atcgagtgtg 360
 tgatagtgat ggctatatac cgtggagtac tcatggtagt ag 402

<210> 8689
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8689
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 attaaaaaaaa tagggcattg caataattaa aatcgtttga aaaaaaaaaa aatgggact 120
 ctgattaaac tgcattacag cctggaggac accttgggcc agctgggcgt taaccaagat 180
 ttcacggggc gcc 194

<210> 8690
 <211> 194

<212> DNA

<213> Homo sapiens

<400> 8690

ggctgcgggg cgtgatagac gattaaggta tgattgaata attatactga tatagtgtgt 60
 aagatctctt agagagagct gtgtaattat tcatctatat atttttacta actaacgtga 120
 aagaaaggat gctggatgag cttgttctga gagtatctac ttgaggctgg gatgatactc 180
 caagggttga tgag 194

<210> 8691

<211> 162

<212> DNA

<213> Homo sapiens

<400> 8691

gcgggccgag gatatcatga ctagatttat atgtaatatt tattattagg gaaagttaag 60
 aaggaacaga agactagaaa agaagtaaaa actttgatga agagaggggt gtaagaacag 120
 gatcaagaca cattaatgcc taataccaac aacgagcagt gg 162

<210> 8692

<211> 226

<212> DNA

<213> Homo sapiens

<400> 8692

aaagaagata caagctgacc tgaataaaat ttgtgcagga ggccaagaaa ataagggtat 60
 aattatcttg agaccatggg aacacgcaaa cattatgcag aaatctatgt tgtggataaa 120
 agtataaatg attatgatgt taaaaaatg gggattgaac ataaaggaca agtgtgtgtg 180
 atgaaccaca gaggaagtaa aagcttaagc catgaaatta ctaaaa 226

<210> 8693

<211> 194

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(194)

<223> n = A, C, T or G

<400> 8693

ccgcgggcca ggctactaag gtgcaagtat atgtaaattg ttttgatacc tttanagtga 60
 agggagcctt ttgagaaaag ttggtggagt gcatcgtatc ataaagcggg taggtagtac 120
 atgtaggcag taaatattat ttaaaaatgt ggatagtata ctgtgaagtt ggttggctca 180
 gaaataccag tttc 194

<210> 8694
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8694
 cacctgccga ttgcctatgc ccatgtgcct gcccttccgg ggaacaagg ggtcgggtggg 60
 ggatgacggc gatggaacgg acgcacagaa cgctagccga tgatcataac atcgttgatg 120
 agaaaaatga tatgcatgac aggagtagag gttggcgatt gtattaggat cattgagatc 180
 aaaccacatc acccatgtgc cacactgccca cgactcataa aggggtgttg tatgtggatg 240
 gt 242

<210> 8695
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 8695
 ccatgtatt tgattttcct catttcaact gttttgtatg aaaatcttaa tacctatgta 60
 tatggtccta actataggcc gcacatttct tttataattc ctggttgaga gagaggggag 120
 ggaaatttat gtgaatacct ggtgaccttc cttgactttc caggtttcct gatgtcattc 180
 attgattatg ttctccttca ttatTTTTat actaacttaa aaattgagta tttggagaag 240
 gttttatagt atttattgat gaatatattt agcatatcaa aatttttggg tttaaaaact 300
 gagtaatatt aaagactata agcaaacaaa atttatagaa cgggtcatta agtaattgct 360
 taaaacatgg agcccattac tctaaccttt ataaaaatta ac 402

<210> 8696
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 8696
 gagtacaagc tttttttttt tttttttttt tttgtattt ttttttaaag tattattatg 60
 aaaacacaca aatcaaaga gttatccatg gatttgcaac agcagagaaa cagtgacaag 120
 agagaccatc acccataagg ggaacactt atccctttgg cgtaactta atataaata 180
 attgggaaat gatcacccta aatatcaata gacacgggca cataaaaaaa aagattaata 240
 ttaagaaaa agggaccagg aaactggcgg gaga 274

<210> 8697
 <211> 770
 <212> DNA
 <213> Homo sapiens

<400> 8697
 ggtttttttt tttttttttt ttttttggtt ttgaaccttt aataaaagta aaaaatgaat 60
 gcaaaaagaa cacaatggtg aaaacttagt atgaatgtga acctcactag atgttcaaat 120
 ctggtagagt gcaaattttg ttcatactat tttacatttt taaaaactca aatcactttg 180
 gttcatatat tttctataaa ctattggcaa aaaaatcctc aaatttacat tcttttggtt 240
 acattatttc taacagatat agatttactt ccggtttcgg agagaaagac ttattgtgtg 300
 tgcgtgatca agtctgtttt aaagattcac tcgctgcttt catctaataa cttctggggt 360
 ttcataaaat gctgacatct tcattggaaa tttttttcat gtaactgggt tcattttcag 420
 aaaatatata aggggggtcat tccaaagttc agaatgatcc tattttttta aaaaacaaaa 480
 ttcctgtaaa acaaattaac tccaggaact taaaatttac tccaagacat ttcctcaaa 540
 acaaagcaaa aaaccccagc aaagatcggc acatcacaaa acaaacaca aagaccagcg 600
 ctcacaggca agttcctctt agcttcatt ctgctgactg ggggttcca tttaaaaga 660
 ggcttttaat caagccactt tcacagaatt taaaacaaaa caaacacatg ttaattgcaa 720
 aaaacaaaaa aggaaaatta ttagaaaaaa agaacaaaac ccaaaaaacg 770

<210> 8698
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8698
 tagcctcagc ggggaccctc agcacatgaa tacttctca ttctggccc cctcccttgg 60
 cccttctgcc tctcttcaact gccatacaat tgtgtgaagg atgtagggaa gtggaaggaa 120
 ttaaataaag aaggaaccag cggatgaagg cccccgccc cccacagact aggtcggc 178

<210> 8699
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8699
 aacactatgc attacatata caaaaacaca caccacagtc ataaagccct aatgatgtgc 60
 tgattacagg tcaatattca ggtgagcatt ctttattaat ttatcaaatg aaaagctttt 120
 tgctacctct gccattcatg aaagacagct atggaaaaaa ggaacctggt accaatat 178

<210> 8700
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 8700
 tggctggact gcagtacagc ggataaaaaca gggaaacgta aaaagtaatc agatgactgt 60

tatcgagatg gagagcatac cagtaaaggt agcactgact gcaatatttg taatataaat 120
 ctaaagttta tatgttaatg aatatcaata tatatatggg gtatatataa ttacactaat 180
 cagtgacaga agcacttata atagcgactt ctgagtaatg aagaagagaa atgatgaata 240
 tatgtattat ctatagggcc tatatacggg gactgcctca ctatgatcct atgggttgtg 300
 agtaattatg caaggctgtg tgaatgcaca gctgtatctg aaggggcaac tacgcagtgc 360
 tgcctaagca 370

<210> 8701
 <211> 209
 <212> DNA
 <213> Homo sapiens

<400> 8701
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 tggaatgtac gaggttttcc aattaggaat caaaaaagaa acgaggagac ttcgaaaagc 120
 tgactaatta ttagggaact gacttggatg ctgtaagcaa agctatacat gatctgatac 180
 aagagatggg cggactggcg ttagcatgt 209

<210> 8702
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 8702
 tgattacaaa gctgtatgtc atgggccaac tatgcaataa acctaaacta gagctatggg 60
 ctgtgagtgg atttcacttg atgataccat gaagactgat ttatgatgtg atactatcca 120
 ttcttctgtc ggtatgaagt tatgcatgac aaaatgatgg agtgcttaa tgggatgtca 180
 tatggacaaa gaccgtgtga agtgaccctg atgatagcat atcatttcag gataactaat 240
 gactggcagg ttgcaaggat tgttgacgac tgggactgga catgcgcgga taggtgattg 300
 ctcacggaca tgctcgagaa aa 322

<210> 8703
 <211> 578
 <212> DNA
 <213> Homo sapiens

<400> 8703
 atcttgggtga gaatctcagc aaaccaccaa gtgatcctga ggctaaccct gaagtttcag 60
 agagaaagct gccaaactgag gaagagcctg cacctgtggg ggaacaatca gggaaaagga 120
 agtcaaaaac caaaactatt gtggagccac cgaggaaaag gcagacaaag accaaaaata 180
 tagtggagcc accaaggaaa aggcagacaa agaccaaaaa tatagtggag cactgagga 240

agaggaaggc gaaaacccaaa aatgtatctg tgacacctgg acataagaag cgtgggcctt 300
 caaagaagaa acccgggtgca gcaaaagttg aaaaacgcaa gactaggact cctaaatgca 360
 aagtccttgg atgtttcttg caagaccttg aaaagtcaaa gaaatactct ggaaaaaatt 420
 taaagcgaaa taaggatgaa ttggttcaga gaatctacga cctgtttaac agatccgtct 480
 gtgataaaaa gctgccagag aaactacgca taggctggaa taacaagatg gtgaaaactg 540
 gtggccttatg cagcactggg gaggagaggg gggcccg 578

<210> 8704
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 8704
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 aatacaatga gcctgtgtgt gatgggtctg ttogtgcctag tgctcgattt tggattttga 120
 tctctatcag tatcattggg cttggactct gacactgccca gcgctgctg ttacactgat 180
 agggagagga atcggactgg ggaggtagag gacaatgaca acgagaacat cagctcctgc 240
 tcacaggcgg ctgtggttaag caaagaaggc cacgctgtac gactgtacc ctgcgagcag 300
 ggagtcctgc aggggcggcc tggggcgtct actcatgaat ctgaggtcga ttgt 354

<210> 8705
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8705
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 ttagaagcga tggcgatttt ctggtaagcg gtctatggtc tgttttatta taaactagga 120
 aaagaacata acagctcaca ggacccaact tattgatgaa atgaactgga gtgctgacag 180
 atactagga tagaaataga tgaagaaggg acggaacaa ttacta 226

<210> 8706
 <211> 498
 <212> DNA
 <213> Homo sapiens

<400> 8706
 agcatacacg gcagatatgc accatgcaat gcccagtgga agcactgcct gaggacaaaag 60
 agggccttga tgcaggagt gtgtgatgga aggatggacg gcgcggtcgc gaagatgctg 120
 acagatggac agaccacca gaggaatgag gaggctgcaa tggcaagag agtatccgga 180
 acgatccagg gcgaagaaac gccggctatg catctgcatt ggagtggcac aggggtcaca 240

ttgcatgcga gagacgggga gcggtggggag aaataagatc gccgtactgg aaagatgctg 300
 gaagagggcc ggaaaccatg gaagtctggt gaggctgcaa tggtagatgt ggatcatggc 360
 tagtccatgt gagctgagta gttaatcaga ctaggcacat cggggtcgca actgctgtgc 420
 gtgatatgac acagacagtt gctgtgggcg tactgaatga tgaggacaaa gaagcggatg 480
 gccctgataa agaaagga 498

<210> 8707
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8707
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 agttatacac gatgaaggcg aactggacac gttaatgtgc ttggacccca tgccgatcgc 120
 gacatacggg ctagctggag gagggaaaacg gcgatgatgg ggcaggatga aggggcaaaa 180
 ataggggctt ggtgagcaga aaataactgc tggccttatt ttatgt 226

<210> 8708
 <211> 498
 <212> DNA
 <213> Homo sapiens

<400> 8708
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 gaatggaaaa agaacacaat ggtgaaaact tagtatgaat gtgaacctca ctagatgttc 120
 aatctggta gagtgcaaat tttggtcata ctattttaca tttttacaaa ctcaaatcac 180
 tttgggtcat atattttcta taaactattg gcaaaaaaat cctcaaattt acattctttt 240
 ggctacatta tttctaacag atatagattt acttccggtt toggagagaa agacttattg 300
 tgtgtgcgtg atcaagtctg gtttaaagat tcaactcgtg ctttcatcta ataacttctg 360
 gtttttcata aaatgctgac atgttcaatg gaaatttttg tcaaggaact ggtttcattt 420
 tcagaaaata tataaagggg gcaatccaaa gttcagaaag atgctattgt tttaaaaaac 480
 aaaaatcctg taaaaaca 498

<210> 8709
 <211> 162
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(162)
 <223> n = A, C, T or G

<400> 8709
 cgagagatga cgttccaaga catctgagca nccccgctggg ctatacaacc atgtaaccaa 60
 agcctcacc cttcccgcag ttggaaaaaa atttatggaa caagaaaagt tatcatttga 120
 aatttaaaag ggtgggcaga acattggtcc caaggaaata tt 162

<210> 8710
 <211> 194
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1) .. (194)
 <223> n = A, C, T or G

<400> 8710
 tgaagactag ataggagtgg naagactgga cgtatgctct gaaggagcat aggagacata 60
 agtaaaagcg ggcagtaaac tgtcgtctga tgattatgag accatgggaa aaagcatgag 120
 acaggtaaaa catagtaatg ggcattgtac aagccactga cgtatgcctg cactattgta 180
 cagcaccttt cacc 194

<210> 8711
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8711
 tctttttggt ttatttatgt tgtattgtaa gatgtcaaag agtaatacgc aaggcacaaa 60
 agatcatatt gttagcttgt atggttgaca gagacagtga atattatcaa ggaaacatca 120
 catctgaagg acttagcatt gcaacacaca atttataaga ac 162

<210> 8712
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 8712
 gctggtgtgt tatttatttg tggtacattt agaggaaaga acggtagga gccatatatg 60
 acgaagaggg taagaaggca catgtagtaa gaagaataac aagtgcacgc ccacagtggg 120
 tcagtggcgc aagataacgc gagatcatta actgacatgg taacaatctg gtacatatca 180
 ctgtgtatac atggagagaa actgacgtga 210

<210> 8713
 <211> 178

<212> DNA
 <213> Homo sapiens

<400> 8713
 cggttgctgt gttattttta tttttgtgta ttttaagaat gcaaatatct gttaaagcga 60
 gcaatatatg atcaaagaag gcgaacgaat ggtaggggca ggaggtagaa tcaacaagga 120
 ccactgccac ttggggatca gtggcgcaag gtaacggagc tagattaacc tgatatgg 178

<210> 8714
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8714
 ggtgggcggt tatttcttta atgtagggtt taagaggaaa gtagctggga tagaaggcat 60
 gcataataca gaaggctatg aatgctatgg caagaagaag ggataatacg tgcgcgtgcc 120
 acatgggtgt taggggtaga agataaccgt gagcagaact gtatgggata gttgggccat 180
 agtctgctta ttag 194

<210> 8715
 <211> 514
 <212> DNA
 <213> Homo sapiens

<400> 8715
 caagcccccg cgcgacccac ctccaccccc ccccaaaagg aaaaacaaca aggaagaacg 60
 taccagcaggca gggccaccac aaaaggggag catcaaccga gccacgagc gggcaaaggg 120
 aaacgagcgg ggcggggggga gacggacagg gcgcccagaca caccaccagc agagcacagc 180
 agacggggccg aagccggggc cgggggcccg cctggacacg cccccgggc gcaggacccc 240
 ccgcccattgc ccccgacccc gcccgccacc cacgcggccg ggggaccagc acagaccccc 300
 aggccacggc ggggaacaaa accagcacia cccccgagga ggcagacca caccaccgcc 360
 cccaaggagc cccccggca ggcgcccggc ccgacccccg caaccggcag cccgcccggca 420
 gcgaggctcc aacaggcccc cccacgagc accaccccc tacaccccc accaagcacg 480
 cagcgaaaaa acacacgcca agggagggca agcc 514

<210> 8716
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 8716
 ccotctcttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
 ttaaaataaa attaaaaacc aatgaaattt attgggttac agggaataac cgggcacaaa 120

atggtggaaa aaggggttaa aacaagttta cattaaaaat acaacaact acgggggggtg 180
 acaaatttgg aagcgggggg tacttaaaaa aacggcatcg aaaaacaaac cactaaaaat 240
 tcgcgaaaatc aaaaaataa cttcttttct ctttaaaaaa ggagggggaa gaagtcgttg 300
 ggttat 306

<210> 8717
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8717
 aggtaacaag gctctttttt ttttcttttt tttttttttt tttttaccg tttaaaaata 60
 acatttttta ttatttcccc aggcccgatc cacagccctg aaacaaaagc attctgatac 120
 acatttgta gtgctggggg gtttggttgc catgactgcc tacacaggcg cgatgaacag 180
 ccaccccggg ttgg 194

<210> 8718
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8718
 tgggcaaact gactggtgat ggcaagagtg gtgtctatga agacggacta cacagcatgg 60
 cacatacaat aaacactgcg agactctatg cgattacctg gctactacac acatttatac 120
 ccaacataac ttcataaatt gatgccacca tgtgcaataa actgcccgt ctggtgctca 180
 gaggaacacc aggcgctgca acctgcagct ctatcaggac gccagactc cgccattagg 240
 gg 242

<210> 8719
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 8719
 tgctatcaca aatattctac ttgtaactat tcaactgcat cgctgacata acatggttga 60
 acgattggga taatggcact aagcactagg tgtagatatg attatgacta taatacatgg 120
 gtaaagggtc tgataataaa acaactcta ccaactaga tacactgagt caatgtatat 180
 ataatgtggg atacgataat gaactcacia ctaatatggc agggacacat atatgaaaca 240
 caatataatcc tgtatttgcg atataagcat cattataaga tcataagtag attgtgcgaa 300
 gaatcctatg tatgccggac tgttttatcc tgaccaacc catatgactt gtcccagtgg 360
 atccgggaga agagatatga atgacatgta gccggactga gcttacacag ttacaccccc 420

gatatgaagg gaacgaaaat acatcttatt gcataagctc cagcag 466

<210> 8720
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 8720
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
 tttttttttt tttttattta aaagttttat tataaaaaca caggaataa aggggggaat 120
 ccaggttttg ggaacagaaa aaaaaaggga aaaggggacc ctcccatag gggacactta 180
 tccttggggt aaactaaaaa aaaaaaggga aaaaacacca aaaacaaaaa aaaagaccaa 240
 aaaaaaata aatttaaaaa aaaaaacagg aacgggggga gggagaccgg ggtagggggg 300
 aaaagggggc aagggaaaaa catcaaggct aggggggcct cccctgaaa attgcgggct 360
 tggggaagtc aaggtcgggt gcagggacaa acccgtgcc ggcccgcgg ggggagggga 420
 ggggaagggg gggggggggc ggggtgaggg 450

<210> 8721
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 8721
 tgcaaatgaa tgaaaatggt taaaataga cacaagacat gggccaacat acgttctact 60
 gacgatgcag aggaactggg accctacca gctggactgg gaatgggagg ggtgccgcca 120
 tgctgaaag tggcgcggga gtggcttagg atgccaagta catccttacc atgacataca 180
 ccaacgccac tgatgagatg tgcacgaagg 210

<210> 8722
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 8722
 acaagctttt tttttttttt tttttttttt tttgctcaca ttttaatttt attttgattt 60
 tttttaatgg tgcacaacac aatatttatt tcatttgggt cttttatttc attttatttg 120
 tttggtgctg gtggtttatt tatttttact gaaagtgaga gggaaacttt gggggctttt 180
 ttcctttttc tgtaggccgg cttaagcttt ctaaatttgg aacatctaag caagctgaag 240
 gggaaagggg ggttcgcaaa aacctcggg ggaagggaaa gggggctttg ttaatcatgc 300
 cctatggggg gtgagtaact ggttgggccc tgccgggggc gcgggggggg gcgg 354

<210> 8723

<211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8723
 gttggccccg taggttacta gtctagtgtc ttcagtatgt aactactgtg acctcatgct 60
 ggtcaagggg ctaagtttaa ctagcaacta tgtattccag taaaatcaga tgtaaagtat 120
 actacttttg tactaggtac ctaagtaggt cactttcact tg 162

<210> 8724
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 8724
 gctgcagtga catgagacag aacagcgcgg agggcgccac aaaagcagcg gacaagaaag 60
 ccgcaggagc aggcaaggcc accaagccag ccagaaagc ccagaaggcc aaacgaacac 120
 caccctaac accagccacc ccacacacaa acagcggagg aagaacggtc tcagaaccgc 180
 aagcatcaac cggccataca agaagagcag caaaagacag gacaacgaca acaacgcadc 240
 gcaaaacccc cagaaggaaa ggagaacgcc gcgaggacca ccccggaac cccactcgcg 300
 tgcggcagca taaagccaca agtaacccaa accagtacgc tgccgggact gcaa 354

<210> 8725
 <211> 578
 <212> DNA
 <213> Homo sapiens

<400> 8725
 ctggtctttg tgtatggttt tgtgatgtaa cgatctttgc tggggttttt tgctttggtg 60
 tgagggaaat gtcttgaggt aaatgttaag ttcttgaggt taatgtggtt tacaggaatt 120
 ttgtttttta aaaaaatagg atcattctga actttggaat gacccccctta tatatgatct 180
 gaaaatgaaa acagttacat gaaaaaata tccaatgaag atgtcagcat tttatgaaaa 240
 accaaaagtt attagatgaa agcagcaggt gaatctttaa aacagacttg atcacgcaca 300
 cacaataagt ctttctctcc gaaaccggaa gtgaatctat atctggtaga aataatgtag 360
 ccaaaagaat gtataattga ggattttttt gccaatagtt tatagaaat atatgaacca 420
 aagtgatatg agtttgtaaa aatgtaaaat agtatgaaca aaatttgac tctaccacat 480
 ttgaacatct agtgaggggc acattcatac taaggtgtga acaatgtgtg tctttttgca 540
 ctcatttttt acgttttatt aaaagagcaa aaaacaaa 578

<210> 8726
 <211> 498
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(498)

<223> n = A, C, T or G

<400> 8726

```

ctgatattgt gtagacgaaa agatgatctg caagatgata aagatctgga atatggccat    60
aaactgtaga anggtggtga agctgtcatt gctgatgatg ctgccgtcga gcacatgggt    120
gctgacgagc ccatatacta tgcaaccttg tgacactatg cagcttcgga tatgatacat    180
acacgtgatg tgagagacac aaaagcagtg gacgagatag cagcagggag acggcaaggc    240
tgccggatct ggccaggaca ccaagaatgc tcaaagaaca ttatacgcta tacgaatcac    300
atcactaata accaccggcg gaataacagt cacaggagtg agaactgcaa tagaacagtt    360
aggttcaata ggccaatata ggttaatgat aacaaagcgt cgtatgacca caatacagaa    420
aagaaaatgc ataatgaaac gataatgttt tgtggaccac gtgtggtagc tttaatgcat    480
gaggcagtaa tatcagat                                                    498
    
```

<210> 8727

<211> 162

<212> DNA

<213> Homo sapiens

<400> 8727

```

aatgctcaac gcattacatt acatgaactc acccatgtga tggtagtaac tgttcttcat    60
cactaaaaca tggaagcgaa aatgagtcg gatgctgttt cgaggctcga acaccatccc    120
agcaatggta gccctgcctg caatcttoga ctttaatacc ca                            162
    
```

<210> 8728

<211> 258

<212> DNA

<213> Homo sapiens

<400> 8728

```

gtagagtagg acagagacaa gaaaaatata atgcacacac acattggatg gttgtacttg    60
caaaactagct aataacacta gggaagaaca aaggatccaa aagcaggtgg agagcataaa    120
agaacacatg aatgggaagt cctgcaagag ctacatgaat atacgagatg actctataaa    180
agctgactaa tcattatgta tatgactgga atgatcaaca cacagaacta catgaaacte    240
atccattgta ggctgatc                                                    258
    
```

<210> 8729

<211> 194

<212> DNA

<213> Homo sapiens

<400> 8729

atggatgtta attgaataat gatggtaaaa ggtagatta ttggtgtat tttgattgat 60
 gttataatga ggaggtttgt ggataggagt gaataaagtg attggatgag tgggcgaaat 120
 attatgagtt gatgatggga tatatggagg atggggataa gtggagagga gaagatggga 180
 aagtggaggg aaaa 194

<210> 8730

<211> 402

<212> DNA

<213> Homo sapiens

<400> 8730

gtgcaccgag acgcgcggag gcagaggctc ggtgctgac aagacacaac tacaccgga 60
 gcaccaccga catgagccga agaaggcatc gtgactggac gtgtaagga ggtaaact 120
 gcgtccaca gaggatgtga aaactgcact aaaacacaga tggcacgacc acgtgaaata 180
 agatatgatg acggacactt atacaagcga caatggcaac tccgtgtact agcatcgaag 240
 tgaggaagag acgtatgtat gaacaagaca gtgctggtag gacggactga gactgaacag 300
 acactatcat actatctcca agggcgatga cgacaagaaa cagggagaat gagatatgac 360
 ttagttaact ggacagaagg gggaaaacaa gtatatggtc gg 402

<210> 8731

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(498)

<223> n = A, C, G or T

<400> 8731

tactactaat acaaagtgac aaggggtgtct gtgtgctatg ctactacaa caaaccttc 60
 acctaaaaa caaatggaag aaaaagagaa acagctgcaa atagttaaaa gcactatagt 120
 aacacataac aaaatgtgag agatgagaga atagaaagag tagaaaatat aactacttgc 180
 tgtgaaccta tggtagttac gctctgtcag tctgtagcat acataccata ccatataaac 240
 acagcacaag agtaagacaa caacacatgg tgaagctaga ctatgtgcag gatacatgat 300
 gcgtgataac atctgcaaca tgagacaaac gtagaagaga actgaggcaa taaataaaag 360
 tgatacctat agacggatac agtgatataa cgttgggaca ctgggtggaa gcgcgggata 420
 ggagcggat gtgcatcact gctgagcaca ctaatatgaa ttagtaaat ggaccacgct 480

cagggtagat gactgnag

498

<210> 8732

<211> 178

<212> DNA

<213> Homo sapiens

<400> 8732

ctgtagttta agatgttaga caccagactc tcacgcttga tccaaacatc tttactcaac 60

cacacaacaa atgaggaat atctgtgtgt aagtttcacc ttttgtcatt taccttctcc 120

tctcggtaaa aatgtaaaga aaaaagtga tatgcttctc cttgctccac tgtaaata 178

<210> 8733

<211> 210

<212> DNA

<213> Homo sapiens

<400> 8733

tgttatatta gtgatagata tctattatag attgtgaatc aaaattatga atcttcagat 60

tgatgtgggt gtcgtgaata tggttcagaa gatgtcgata agtagtagga ctgcaagttt 120

aggttactta tgctaggact gatgtttgtt tgaatatttg taagtgcttg gttattgaaa 180

gtgattgcct ttaatccaag acttatagtg 210

<210> 8734

<211> 338

<212> DNA

<213> Homo sapiens

<400> 8734

aggtacttta tgaatatgcc agaaatatgt tacataagca attataagac gtgcaagtat 60

ggaatggatt acctcgtctc cgctcaaaaa cactgatctc tgaaggaaga tggatttata 120

tgtggatatg caagtctgat cataaggttc attgtgagat gatggggaac atgtaactta 180

gttatagagc taagaggagt tattgtgcag tgtggagtac tcaagctttc ttatctagat 240

gtactcagtc atctggctac ctcgggtcgt gaaccaatct aattattaat ggattagcgg 300

ccgtctggag gtcgatcata taggagaagt ccgtgcgc 338

<210> 8735

<211> 210

<212> DNA

<213> Homo sapiens

<400> 8735

ggccccgggg caaggtacct aatthttggt ttcattggatt tacatthttt taagggggcg 60

tthaaggtga atthattgtt atthtaataat gtctctggaga taactthtggg gtataagatt 120

ccaatthtaaa tgtaattacc tactattatt thttgtttgt cgtthttgcaa agaaagataa 180

tgattcctgg gggcttgggg aaatattaat 210

<210> 8736
 <211> 258
 <212> DNA
 <213> Homo sapiens'

<400> 8736
 tacagctttt tttttttttt tttttttttt tggttttaag ttttattatt gaaaaaacia 60
 aaattcaatg gtttattcat gtttttggca aaagaaaaaa acaggggacg ggggaccttc 120
 ccctaaggga aaattattct ttgggttaaa ttatattaat tatgggaatt gaaacttatt 180
 aaattaaccg ggaaattaa aagaattaat taagaaaaag ggaaaggaac gggggggaag 240
 gggctctgat ttgtggga 258

<210> 8737
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 8737
 gtatacgtgt attatttgtt tttgttttgt tctgtgggaa tgaagaaata ttttagtaaa 60
 gtgtggggag cgggatgatg ttcaatctca caacttttgg aatgcttct tgggtctgtc 120
 agccgttggg gatctttatc ttatttaaat gcactgtatt gtgcagaggc ctgggtctcgc 180
 gtgttgtagc cattatttat atctggatat ccctaagata ggtggacagg tgtgctgtg 240
 gtggcggctg ctctatctct gttgtggatt atacgtcgga tgcagatgag atatatgggt 300
 gtgctcataa tgcgttggat gcataacatg agtattatat aatgtaaaca aaatagcttg 360
 gggtcggtat 370

<210> 8738
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 8738
 actgcacact gatctgtaac tcatcgcgat ttgttatttt gttttatctt cataccaggt 60
 catattatct ttatgaacag actggtgtat ctactaaaaa atatatttat ttctgagagc 120
 tatgtttttg gctgggagga gtgatatctc ttcatactta aatgttttat tatatgctta 180
 attattgtat tctgggtggt tggttgtatg tacttctgtc gaggtggtgc tgagatgtca 240
 ctactgggtg cgcgctgca tgtcagtcga acatatggga gagcttgcaa gtcgctcggt 300
 ggatagctct actattctat agtgtgaata taatagctgt ctataatcgt ggtcttaatt 360
 gtttgctggt gtgatattgt tttcct 386

<210> 8739

<211> 258

<212> DNA

<213> Homo sapiens

<400> 8739

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tggcgctcg ggtagtgatc catgagaaag ccatgtcagt tcgaacgata gatcgtaag      60
actcatgaga gaaactgacg agtttaatct gaatctccta gttctttgga gatggagatg    120
aatcgtgaat acagctgaga tctagtagat attattaggt agcaaatgaa attgtagttg    180
gtgggtggtg gaatgctata ataatctttg ttctccgtgt ctcagttgaa atctttacac    240
aaattataag gctgggtg                                     258

```

<210> 8740

<211> 386

<212> DNA

<213> Homo sapiens

<400> 8740

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aggtaggagc attgtgccca ttatttctta tggtcgatag agggttcagg ggggtctaata      60
acggtatata ccggccgat cttcatgatg gctaaggaaa gttatttgag gaatatcgag    120
catgaacgtg tgttttgttg gggagatact gtaccattga gtgtatttta ctgacgcggc    180
tgtgttctga tgaaagtggg tgggtattta cgtcttgtaa aagtgtttgt ctttcaatct    240
gatgtgttgc cagctcatat gtgcgagggt ttgtgctatg tgttcattat cagaatgggg    300
gtttccatat gccatatctg acgtgggtggc ctgtctatat caatgaatgt gtcgcagctg    360
aatgacacgt tgaaaatatt ggagag                                     386

```

<210> 8741

<211> 386

<212> DNA

<213> Homo sapiens

<400> 8741

```

aaatgtttga tctgttattg aattgatctg tacagagtca tgatattttt ttggtatgta      60
tgagtaacat gaatgcttct gtatgaaaca gttgttatat atactctaga tttatatact    120
aacattctgg tttggctatt tatgtgatat tgatgggtgt atatattata gtattatgtg    180
ttcattccat aaattttatg aatataaatt cattgatttc tgtcttctat ggtgatgggt    240
gggtactagt gtttgatgg agtctaatat taaatgattg tagcgattga ttatgtatgg    300
aattaatc .tatctcatat aagacgcaaa aaaaacaagg aaagaataat accaaatgta    360
gtggaggaag agggagggaa cgaaag                                     386

```

<210> 8742
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 8742
 gtacaagctt tttttttttt tttttttttt ttggtttaa atttttttat taaaaaaaa 60
 aaaattcaat ttttttatca atttttttgc aacatataaa aatcatggac gttgaaccat 120
 cccaataggg aaatcttttc tttgggttaa attattttaa ttatgggaaa tgatatttat 180
 tacaataaca aggaatttaa aaaaatataa ttaaaaaaaaa gggataggaa ttggggaaag 240
 gattctttat tttggaggaa ttgtgtctct tgtaaaagca tccgggttca ggcaaccttc 300
 cttgaaaatt tcttgtttct aa 322

<210> 8743
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 8743
 taggtatcgt gtgtggcgct gacgtcctcc tctgaagcat gggatctctg atttgctagg 60
 tcctggttgc ttcagttgcc tgattagtct ccgaggccgt gttagcagtc agtagatgtc 120
 cgtactagat cctgtgaggt aggggtggtgg gtactgggag atgagtagat agagatgcca 180
 gtaacatggt gtcttcctaa acaagagagg tccggaggta tgtgtgtggg ggaagtgagg 240
 agtgggtcca gaaatatgtc agagagctgg tgttgagtga ctgatgggta taaagatgta 300
 ggtgtaagac tcaggggtgc agtggggagg agcacgagcc tgagctcgtg gggagcatga 360
 cgtgatgatc gtcgtaggag acgtta 386

<210> 8744
 <211> 594
 <212> DNA
 <213> Homo sapiens

<400> 8744
 ggtactgatt ttggatTTTT gatttttttt ttgggtgtga acttatactt gattgatata 60
 tatcatatat agataatttg aacatatgat ttactatcca ttgtgggttg atgtatagat 120
 tgtcaactta tatttggaaat gtaataagta tgtattcttc tgtaaatgct atgttctcct 180
 ggtgttcac tgacacatgg aatttgtgtc tgatgtgcca ttagagcggg gtctcatatt 240
 gtccgcatat cttgatcgag gtagtgaatt ggatcgtatc ttttgattta taagtgttca 300
 ttgtatgatt ctgtgagtta tacataccac ggatgggatg ttgcttatgt tggtgccta 360
 tttggtctgt gagattgagc gtttttatca catacatttg cctaatttgt cataatacaa 420
 tggattagat gacacctctg tcgcgaacat tcttatctgt attgtattcg tgggtggactt 480

cacgtcgaat atgtgggaga tctcctatcg cgatgagatg tgtagcttga tgttgcata 540

gcggtcccta aatggctcga cgtcatcatt atcatggttg tttccagggt gtag 594

<210> 8745

<211> 514

<212> DNA

<213> Homo sapiens

<400> 8745

gcaggtagctg attatggagt caatgaatat atggaagggg cattcatgat atatgatgta 60

ggatggtagt ttttcatatg gatcaacgta gaatcattca agttatgtat ggtatgctgt 120

gtatacaatg gctcatatag tgagatgata tctataaatg tatatgctga ataataattac 180

tttatgtttt tatgtacatt gtttgattag gtgaaataag tacataacgc atgggatcctt 240

gcgtaggtcg gctgtctaga tggactctga cataaagtct tgttttcgga tagcatagat 300

tgattagtgg catctaatag gattatctga gacagtcagg ggatatagga ttcataaatc 360

atacttgtag ctagtcatat gcatgcttat ctacacaaaa gtagatatta tatatactta 420

tctgattgat gagatctctc atatctctcc catatttatt atgttgata tcaatttatg 480

gatttttatc tggaaattga agatagcacg ttcg 514

<210> 8746

<211> 306

<212> DNA

<213> Homo sapiens

<400> 8746

agtgattatg gaaacatgaa gctatttaag ggtttattac ccctaaagga atggaaagta 60

atctataata tggataaaag acatttatta aaaaaataa ttgttgctctg tgtatagaaa 120

agcagcttac aatgaatatg ttatcaataa atatctatgc ttagaaagtg caaccttctt 180

ggctttataa acaaaaagtg ggcattgggt atcctttgat aacttacggc caggggggttc 240

attaggaat ccacccatc atgatggaag tttggcggcc ccatcttccg ttatgggtaa 300

aaaaaa 306

<210> 8747

<211> 430

<212> DNA

<213> Homo sapiens

<400> 8747

aggagttcat cagcggtcag tctgtgggtg ttgtggccat tgccttcac accatgatga 60

ttatctcgtt agcctggcta atattttact atatacagcg tttcctatat actggctctc 120

agattggaag tcagagccat agaaaagaaa ctaagaaagt tattggccag cttctacttc 180

atactgtaaa gcatggagaa aaggggaattg atgttgatgc tgaaaattgt gcagtgtgta 240
 ttgaaaattt caaagtaaag gatattatta gaattctgcc aatgcagcat atttttcata 300
 gaatatgcat tgacccatgg cttgtggatc accgaacatg tccaatgtgt aaacttgatg 360
 tcatcaaagc ctaggatat gggggagagc ctggggatgt acctcggccg gcgacacgct 420
 aatgactagt 430

<210> 8748
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8748
 cagtcagttt acgagtgtt ctagattagg ttgtataatt tatgatggat tggcagaggt 60
 gcatacatta aatgtaactt gttttttgtc ctctccatt atacataatg gagtgatgat 120
 atactgaatg tgtgggaaga ataatgaaag agattgaatt tctacatcta gtgcatca 178

<210> 8749
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8749
 tactaataat ggtgttggt tagctatgat ggattcaaca tgaaaaatgt gaagctgtga 60
 taggtcattg taatgtaaaa tttgttaaga caacaacatc agtttttggg cggatatgat 120
 atttattgtg taaatttgct gatggaggac aggaccagag acagaatcag caatatacat 180
 gctatagga agga 194

<210> 8750
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 8750
 aggtgcatgc tggatgatag gatgaatttg aatgaatggt atctcctgag aatgggcaga 60
 cactagaaca tgaccttctg gacttacaga ctggcgatgt gaatacaaaa taatgtgtcg 120
 agatgtgatc gacaatggta ttccactgag gggactaca gtcagacaag atatgacgaa 180
 gatgtgtgag ggagtgggga ggaagatgag aaagtagtgg tattatccga acacagtaga 240
 attggtgcaa tttgctgata tgaaatgggt gatacatgct agattcaagt gtgatgagaa 300
 ttggtactag ggatggaaag tcaactgctaa gattgcaagt gagtgagagt ggtgagccag 360
 atgctctgga ctgcgtcata acatggactt gtgcaaatga ta 402

<210> 8751
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8751
 cagaattata taataactaat gcgtatgtga tgtgagacgg tagctgctgt cagacggcat 60
 cactgtgaat tcagatgcaa agaggaactg ttgatcttga tgcccatacc tctgatcaga 120
 atcttgacat actgtcatga gacactatag ggtacgttat ca 162

<210> 8752
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8752
 agataactat gggttaaaag agagagtgga ttttttatac atgattggat acagtgggat 60
 tgaccatcag ctgactagga gataatataa caggctgttg aaagtgattg ttttttgaag 120
 atagaggata tgagattttc tgctgatctt ataatggtgt gatgtctgat atcttgtgtt 180
 cgctgttatt gtta 194

<210> 8753
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8753
 acacactgcc actggctttt gctgtccacg gccatgacag accgacgcag cgagctttct 60
 ctcaaaagca atgcttaaat tttattcata atatactgac tgcaacaaca tcatgaaaat 120
 acaaaaaaaaa aaaaaaaaaa gacttgtaca tgaacagagg cg 162

<210> 8754
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 8754
 ggtcatacaa agagggcact acaccagctt cttggcctca aagaagctct tgaggtgacg 60
 catctgccag atgccagtga ggatgaggat gacagtctga gcaatggacc accataggta 120
 cctctggttg gtgctctcgc tcgtcagtcg gaagcgtctt tcacgatacc tttggaatc 180
 ctgctccttc tgaatctggt ccacctgatc aagcaactgg cgggagcggg gctgtagctc 240
 cgacagatta tcttttgaag aaatctcagg gtagtagtag gaatgctccc caaactggat 300
 gtagagatga caccgaagtt tgacaacaga gaagagagcc atcctgatag aataggagtg 360
 aagacagata tgatggtcac cgggagtgtg ggaggtgaaa gtgaagagga actcagagca 420

gataatgacc gggaggaaga acgaaataaa tagagaataa gaagac 466

<210> 8755
 <211> 496
 <212> DNA
 <213> Homo sapiens

<400> 8755
 gagtgagcct cctcaccct ctctgctctg ctgatggggg cttttggaca gcaaggcata 60
 gagcagaaaa cgtgaacct gctacccttg gtgaaaaact gtgtgacctt gagcaagtcg 120
 gtctcgctca gtctctttcc tcagctgggg ataaaattcc tacttcacag gactgtaaag 180
 attaagcaag gcaagggata tgaaagtgct tagcacataa taggggaaca atatatcctg 240
 tatctgagta tggataggag tgtggagatc atccaggttg agaggagaa gagtggatta 300
 aagacagtca gtgggattaa gtgtctaccg tgaccttgct tctctacatt tccttttcat 360
 cttgaaagaa gttggagggtg gcaaaaatat taagaagggtg gatcagaatg acttggggac 420
 tgaatttgt gagggagag acaggctgtg caccttctag aatggattta tctcttttat 480
 gactaccaag aagggg 496

<210> 8756
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 8756
 cataggtgct tactatactg ttttgtttct gaatttgaa tttctcaaaa ttaaaaaaat 60
 atctactgag gagcttttcg ttttaactgg tggggaatgg gttctgggtg gttttgcccc 120
 ttgttttttt agattcaaga aatccatggt gaaaggtttg gtattctatg aagaatagga 180
 ggataaagtg atcaaggaga tggcagctca gatgcgcgag gtggagcaga gccgacagga 240
 agtgggcgtg tccgctct 258

<210> 8757
 <211> 551
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(551)
 <223> n = A, C, T or G

<400> 8757
 aggtacacat tgccatgaga tggcactttc tgaggatact cactaaaact gagtttcttc 60
 attagaaaa tctcactttt tatcatcatc tcagtgcctg gtattggtgc ccttangtct 120

gtgaacagca ttgcgttatg ccagtaaag aataacttaa tcaataattg cattctcagc 180
 agtccctctta gtctttgttt gtttgtttgt ttttcacagt tgaattgcaa tgtagctgtt 240
 tggcagaggc attaacattt ttgccctaac cctggcctgg tgcctangct caggggagta 300
 aaattagagc caggagccag ngagctgagg agaccactta aaaggcatgc tagcatttga 360
 taagtaaggg gttactttgt gaggaaaaga aactttatat gctttaagca agcctcttta 420
 tgaggaagaa aaggtcagct actgaagcgg ggtcccaact actgctgggt ctgtagagga 480
 gagagacacc cccaaaatcc agatgtttta gttaacaatc agacacagac ttgtctctgg 540
 tttcttacag g 551

<210> 8758
 <211> 466
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)..(466)
 <223> n = A, C, T or G

<400> 8758
 cgggncagmn tacatggntg nantggagnc ctnncccca cccctctctg gctctgnctg 60
 nnatgggggn cttttgnac agccaaggnc ataggancag gaaaacgtga acactgctac 120
 ccctggtgaa aaactgtgtg accttgagca agtcggcttc gctcagtctc tttcctcagc 180
 tggggataaa attcctactt cacaggactg taaagattaa gcaaggcaag ggatatgaaa 240
 gtgcttagca cataataggg gaacaatata tcctgtatct gagtatggat aggagtgggg 300
 agaatatcca ggttgagagg gagaaaaatg gattaaagga caagcagggg gattaaatgt 360
 ttaacctgac cttggttgtg tatattttgt tttgaattag aaagaaattg gtggtgggaa 420
 aaatattagg aagggtgaac agaaagacat gggggcaggc atatgt 466

<210> 8759
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 8759
 tgatttctaa agtaagcctc agaatttcca aaccaattca tccacagctg tttctgggct 60
 ggttttaaag tagctgctac agaatcatga ggctttccct ttttatcaaa tacgaaaaac 120
 atttttaaaa ttctgcacac ccagtgatca tcttttgtgc gggaaagcaa gatgatgatg 180
 gatgatttta ttcacccctt tagtaaagac acaaaacatt tttctcaaca tttgtacagt 240
 tctgaaaaaa acctggctac caaaaatata ttctctgcta attcagcaat tcttgggctc 300

cagttagggg agctgggggc tcactttctc ccaggattgt gggcttctct ggaagtgaag 360
 ggtgaggaat gagtgggggtg tcgagcccag ccctggctgc ctgtggggtt gggggagggg 420
 gcgaggggatg aggtgccctg gcagatggca 450

<210> 8760
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 8760
 gcagcttccc cgagctgatg ccattcgttc acgtctcadc gatactttct ctctcatcga 60
 gcatttgcaa ggcttgagcc aagctgtgct gcgacacact atcaggagt acttgatcct 120
 tcccgccaga agaaacttat gttgggagat caacaccagc tagtgggct ctctataaag 180
 cctcaacgta tagaacagat ttcacatgcc cagaggctgt tgagcaggct tcatgtgctc 240
 tgcagtcaga gggcacctct ttctttgtgg gccggatggg tccttgagtg tatectttca 300
 tgtcactcat ttttatectg gctgttgatc atctgcctaa tgaattattt tttgcttccc 360
 aaactccatt gtctcattct caatgcttat gttattgctc ttattatttc cgctgcataa 420
 atcagaaaaga actcaaaaaa aaaaaaaaaa aaaaaattgg ggggcggaag cttattccct 480
 ttagtgaagg ttaattaaag cttgggactg gccggagggtg taciaaagtcg 530

<210> 8761
 <211> 690
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(690)
 <223> n = A, C, T or G

<400> 8761
 taagcgtgtc cagaattggt gggctctcact gacttcaaga atgaagccgc ggaccctect 60
 ggcggaattc tccacgagtt ttgagcagcc tcggttttcc caccacctcc aatcatgca 120
 agacacaggg taagagcaaa gacaatgtgg ctgtggccga tgtccacct ctgggggct 180
 cccttctctt ctctcctcct tgagcagggg gaccatcggg gtgcaacctg gttggggcgg 240
 ggaggagggtg cagggcctgg ccagagcggg cctggccaag ggcaaggac agcgaccccc 300
 gggccaggac aggtgagagc ggcgagggc cgggcccggc gtggcggagg tgcgcgtgag 360
 cggncagcag agggcgccag agagccagga gcggcccgcg gaggagcccg cgccggcccc 420
 ggtgccacc tccgcgccgc gcggaccctc cgagcccgcg ctgagacgcc ccagctccgc 480

cgagagggcg cttgcccgg gtccttctcc cccaaatgca ggcagagccc cggagccat 540
 gggcaggcct tccggcagct ccaaagccac tggcaagccc cgaaggcagg atggccggcc 600
 caggagggag gaggacgacg tcccctcccg aagagaagaa gctgcccgtc ttgctggtag 660
 gggggaagcg cacagcccca ggaactggaa 690

<210> 8762
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 8762
 atagattttc aaaatgtcta aaaagtgcag tttgaattgt tacatgttaa tacacagttg 60
 ctttattcag atgtgtttgt gttgacggac taacagtgcc ttctggatct gtgcaaataa 120
 tggtagccct ccctgcaaag aaaaaagag tcattaaagc actacaatat tacacataaa 180
 ctgatccatc taggtcagct ttagtcagga ccggagaatc agcaaacata agaaaaacaa 240
 aacctaggaa tacatacaaa agctctcatg gggtgctaga accctcttag actggtgatg 300
 tatgtggagg gcattaagag ctggaaaggc gtatatgggt aactaccggt aactatattc 360
 tacagcaagg gctggggggg cagaacaagg tgaaggtggg tggttattag ggttggga 418

<210> 8763
 <211> 632
 <212> DNA
 <213> Homo sapiens

<400> 8763
 aatgaatgaa aataaagttt tacctcccaa gtcaatttca cataattcta attcctttta 60
 actagagaat atcttgttta gaaggatcat taagctaggt caaggtaaaa aacaggttat 120
 aagacaaatg catatgaaat ctacaactta taaggaaaga aaataccaaa ttagttctat 180
 cagtcctota aactacagaa gaacattatt tttacctagt gtgcatgtac acacacacac 240
 acacacacac acacaaatat ttaatgcttt taagtacatt tttaaaaaaaa atctaaacaa 300
 tactttgact agtcttttcc tctaataat atatatagac tgaagttttt gaaaataaaa 360
 gtagctgagc caatgaaatg ctttagcatt gtatttttac catcaagcac tgtttagcag 420
 gctgtatttc ccacttttct tcattgatat caggagcaag cactagaaat atagaaaata 480
 aatataaaat aatcacaagt tcttaacctt atttttttca gtctttatca gcttcacgta 540
 gagagctgct cactgtgtta tagcactttt taagttgcaa agccttgcca tatacattat 600
 aattgtatt cctctaagca agtcaagggg cg 632

<210> 8764
 <211> 450

<212> DNA
 <213> Homo sapiens

<400> 8764
 tgcagacctc ggaagggagc ggatagcggc acccggagcc gcccgcagag caaagcgcgg 60
 ggaaccaagg agacgctcct ggcactgcag ataacttgtc tgcatttcaa gaacaaacta 120
 ccagagacct tacctgttca cttggctctc ccaaccaatg gagatggctc caatgggtggc 180
 acaaaccagg gaagggaaat ctgaggttta attcctttat gcctcattct ctgagtgtctg 240
 aaggcttgct gtaggcctgt atgcctgtta aatgctaaat tgtgataggg gtttttgcct 300
 tccaatgaac tcccacatat ttacatttta ccagtgtatg atgccctgtt actagcattg 360
 acatgggaac aaaattgctg ccggggggag gatgaacaaa gaaagtcatg aagttacccc 420
 ttgtctggga taaaactata gtactttcaa 450

<210> 8765
 <211> 562
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(562)
 <223> n = A, C, T or G

<400> 8765
 ggggtaccat ttacacacc tccgncggtg gnaaatcctt gnaaagnaaa gcagcaccag 60
 ctgctgactg caggcctctc tgccacctct gcctgcccgc ctactgact gttcatctg 120
 ccagcctcgc atgcacttct gacaacacac ctgtccatca cagacactgc cagctgctct 180
 gtgtgtatcc atgtgtgtga gccagtgggtg ctggcgggca gcggaacgat cgtccgtgat 240
 gctagaccga acatgcacgg gcacgcatct cctggcgtgt gagtggaggc tgtcagaggg 300
 gcggacggga gtgagggcat gtgtctgcat gggactgata gggacagaga aacagtggca 360
 gacttgggcg atacatagct caccagacaa acatgcaccg tcagatagat agagggtaga 420
 aagatcaggg agaagagaga gccagcaaa catgcacacc angcagtggc gggagaggca 480
 cgctcactac ataggaagaa tgaacagacg gcacacgcac gcagggcatg gactgcagca 540
 catctaacca accatgccta ga 562

<210> 8766
 <211> 594
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)..(594)
 <223> n = A, C, G or T

<400> 8766
 cattgccatg agatggcact ttctgaggat actcactaaa actgagtttc ttcattagaa 60
 aaatctcact ttttatcadc atctcagtgc ctggtattgg tgcccttang tctgtgaaca 120
 gcattgcggt atgccagtaa atgaatactt aaatcaataa ttgcattctc agcagtcctc 180
 ttagtctttg tttgtttggt tgtttttcac agttgaattg caatgtagct gtttggcaga 240
 ggcattaaca tttttgccct aaccctggcc tgggtgcctan gctcnagggg gtaaaattag 300
 agccaggagc caggangctg aggagaccac ttaaaaggca tgctagcatt tgataagtaa 360
 ggggttactt tgtgaggaaa agaaactttt atatgcttta ngcaagcctc tttatganga 420
 agaaaaagtc agctactgaa cggggtccca actactgctg ggtttgtaga ggagagagac 480
 acccccataa tccagagggt cagttaacaa tcagacacag acttgtctct ggtttcttac 540
 agggtgacag cagtattegc tattttgaga tcaccgatga aaaccccggc accc 594

<210> 8767
 <211> 754
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(754)
 <223> n = A , C, T or G

<400> 8767
 actatattta ggcaccactg ccataaacta ccaaaaaaaaa aatgtaattc ctagaagctg 60
 tgaagaatag tagtgtagct aagcacgggtg tgtggacagt gggacatctg ccacctgcag 120
 taggtctctg cactoccaa agcaaattac attggcttga acttcagtat gcccggttcc 180
 accctccaga aacttttgtg ttctttgtat agaatttagg aacttctgag ggccacaaat 240
 acacacatta aaaaaggtag aatttttgaa gataagattc ttctaaaaaa gcttcccaat 300
 gcttgagtag aaagtatcag tagaggtatc aagggaggag agactagggtg accactaaac 360
 tccttcagac tcttaaaatt acgattcttt tctcaaaggg gaagaacgctc agtgcagcga 420
 tcccttcacc ttttagctaaa gaattggact gtgctgctca aaataaagat cagttggagg 480
 tangatgtcc aagactgaag gtaaaggact agtgcaaact gaaagtgatg gggaaacaga 540
 cctacgtatg gaagccatgt agtgttcttc acaggctgct gttgactgaa attcctatcc 600
 tcaaattact ctagactgaa gctgcttccc ttcagtgagc agcctctcct tccaagatcc 660
 tggaaagcac acctgactcc aaacaaagac ttagagccct gtgtcagtgc tgctgctgct 720

tttaccagat tctctaacct tccgggtaga agag

754

<210> 8768

<211> 730

<212> PRT

<213> Homo sapiens

<400> 8768

Met Asp Gly Leu Gly Arg Arg Leu Arg Ala Ser Leu Arg Leu Lys Arg
1 5 10 15

Gly His Gly Gly His Trp Arg Leu Asn Glu Met Pro Tyr Met Lys His
20 25 30

Glu Phe Asp Gly Gly Pro Pro Gln Asp Asn Ser Gly Glu Ala Leu Lys
35 40 45

Glu Pro Glu Arg Ala Gln Glu His Ser Leu Pro Asn Phe Ala Gly Gly
50 55 60

Gln His Phe Phe Glu Tyr Leu Leu Val Val Ser Leu Lys Lys Lys Arg
65 70 75 80

Ser Glu Asp Asp Tyr Glu Pro Ile Ile Thr Tyr Gln Phe Pro Lys Arg
85 90 95

Glu Asn Leu Leu Arg Gly Gln Gln Glu Glu Glu Glu Arg Leu Leu Lys
100 105 110

Ala Ile Pro Leu Phe Cys Phe Pro Asp Gly Asn Glu Trp Ala Ser Leu
115 120 125

Thr Glu Tyr Pro Ser Leu Ser Cys Lys Thr Pro Gly Leu Leu Ala Ala
130 135 140

Leu Val Val Glu Lys Ala Gln Pro Arg Thr Cys Cys His Ala Ser Ala
145 150 155 160

Pro Ser Ala Ala Pro Gln Ala Arg Gly Pro Asp Ala Pro Ser Pro Ala
165 170 175

Ala Gly Gln Ala Leu Pro Ala Gly Pro Gly Pro Arg Leu Pro Lys Val
180 185 190

Tyr Cys Ile Ile Ser Cys Ile Gly Cys Phe Gly Leu Phe Ser Lys Ile
195 200 205

Leu Asp Glu Val Glu Lys Arg His Gln Ile Ser Met Ala Val Ile Tyr
 210 215 220
 Pro Phe Met Gln Gly Leu Arg Glu Ala Ala Phe Pro Ala Pro Gly Lys
 225 230 235 240
 Thr Val Thr Leu Lys Ser Phe Ile Pro Asp Ser Gly Thr Glu Phe Ile
 245 250 255
 Ser Leu Thr Arg Pro Leu Asp Ser His Leu Glu His Val Asp Phe Ser
 260 265 270
 Ser Leu Leu His Cys Leu Ser Phe Glu Gln Ile Leu Gln Ile Phe Ala
 275 280 285
 Ser Ala Val Leu Glu Arg Lys Ile Ile Phe Leu Ala Glu Gly Leu Arg
 290 295 300
 Glu Glu Glu Lys Asp Val Arg Asp Ser Thr Glu Val Arg Gly Ala Gly
 305 310 315 320
 Glu Cys His Gly Phe Gln Arg Lys Gly Asn Leu Gly Lys Gln Trp Gly
 325 330 335
 Leu Cys Val Glu Asp Ser Val Lys Met Gly Asp Asn Gln Arg Gly Thr
 340 345 350
 Ser Cys Ser Thr Leu Ser Gln Cys Ile His Ala Ala Ala Ala Leu Leu
 355 360 365
 Tyr Pro Phe Ser Trp Ala His Thr Tyr Ile Pro Val Val Pro Glu Ser
 370 375 380
 Leu Leu Ala Thr Val Cys Cys Pro Thr Pro Phe Met Val Gly Val Gln
 385 390 395 400
 Met Arg Phe Gln Gln Glu Val Met Asp Ser Pro Met Glu Glu Ile Gln
 405 410 415
 Pro Gln Ala Glu Ile Lys Thr Val Asn Pro Leu Gly Val Tyr Glu Glu
 420 425 430
 Arg Gly Pro Glu Lys Ala Ser Leu Cys Leu Phe Gln Val Leu Leu Val
 435 440 445

Asn Leu Cys Glu Gly Thr Phe Leu Met Ser Val Gly Asp Glu Lys Asp
 450 455 460

Ile Leu Pro Pro Lys Leu Gln Asp Asp Ile Leu Asp Ser Leu Gly Gln
 465 470 475 480

Gly Ile Asn Glu Leu Lys Thr Ala Glu Gln Ile Asn Glu His Val Ser
 485 490 495

Gly Pro Phe Val Gln Phe Phe Val Lys Ile Val Gly His Tyr Ala Ser
 500 505 510

Tyr Ile Lys Arg Glu Ala Asn Gly Gln Gly His Phe Gln Glu Arg Ser
 515 520 525

Phe Cys Lys Ala Leu Thr Ser Lys Thr Asn Arg Arg Phe Val Lys Lys
 530 535 540

Phe Val Lys Thr Gln Leu Phe Ser Leu Phe Ile Gln Glu Ala Glu Lys
 545 550 555 560

Ser Lys Asn Pro Pro Ala Glu Val Thr Gln Val Gly Asn Ser Ser Thr
 565 570 575

Cys Val Val Asp Thr Trp Leu Glu Ala Ala Ala Thr Ala Leu Ser His
 580 585 590

His Tyr Asn Ile Phe Asn Thr Glu His Thr Leu Trp Ser Lys Gly Ser
 595 600 605

Ala Ser Leu His Glu Val Cys Gly His Val Arg Thr Arg Val Lys Arg
 610 615 620

Lys Ile Leu Phe Leu Tyr Val Ser Leu Ala Phe Thr Met Gly Lys Ser
 625 630 635 640

Ile Phe Leu Val Glu Asn Lys Ala Met Asn Met Thr Ile Lys Trp Thr
 645 650 655

Thr Ser Gly Arg Pro Gly His Gly Asp Met Phe Gly Val Ile Glu Ser
 660 665 670

Trp Gly Ala Ala Ala Leu Leu Leu Leu Thr Gly Arg Val Arg Asp Thr
 675 680 685

Gly Lys Ser Ser Ser Ser Thr Gly His Arg Ala Ser Lys Ser Leu Val
690 695 700

Trp Ser Gln Val Cys Phe Pro Glu Ser Trp Glu Glu Arg Leu Leu Thr
705 710 715 720

Glu Gly Lys Gln Leu Gln Ser Arg Val Ile
725 730

<210> 8769
<211> 674
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (201)..(201)
<223> n = A, C, G or T

<220>
<221> misc_feature
<222> (477)..(538)
<223> masked repetitive sequence

<400> 8769
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agccacaagt cctcatgggc aaaatgtaga taccaccacc taaccctgcc aatttcctat 120
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<400> 8826
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<210> 8827
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<400> 8827

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<211> 5252

<212> DNA

<213> Homo sapiens

<220>
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 <223> Masked repetitive sequence from Repeat Masker

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 <212> DNA
 <213> Homo sapiens

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 aatacagcag ctttaattat tggagaacat caaagtaatt aggtgccgaa aaacattggt 780
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 a 841

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 <212> DNA
 <213> Homo sapiens

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 <222> (94)..(121)
 <223> Masked repetitive sequence

<220>
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 <222> (569)..(604)
 <223> Masked repetitive sequence

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```

ngagaaggaa tattgggta caatctgaat ttctctttat gatttctctt aaagtataga      180
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cggtggaatg cccaaaaatg gtgtaagat atgcagaagg gccatttca agcaaagcaa      300
tctctccacc cttcataaa agatttaage taaaaaaaaa aaaaaaagaa gaaaatccaa      360
cagctgaaga cattgggcta tttataaatc ttctcccagt ccccagaca gcctcacatg      420
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<220>
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<223> n = A, C, G or T

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<220>
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<220>

<221> misc_feature

<222> (761)..(761)

<223> n = A, C, G or T

<400> 8832

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ccaatttcct atcattgtga ctatcaaatt aaaccacagg caggaagttg ccttgaaaac     180
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